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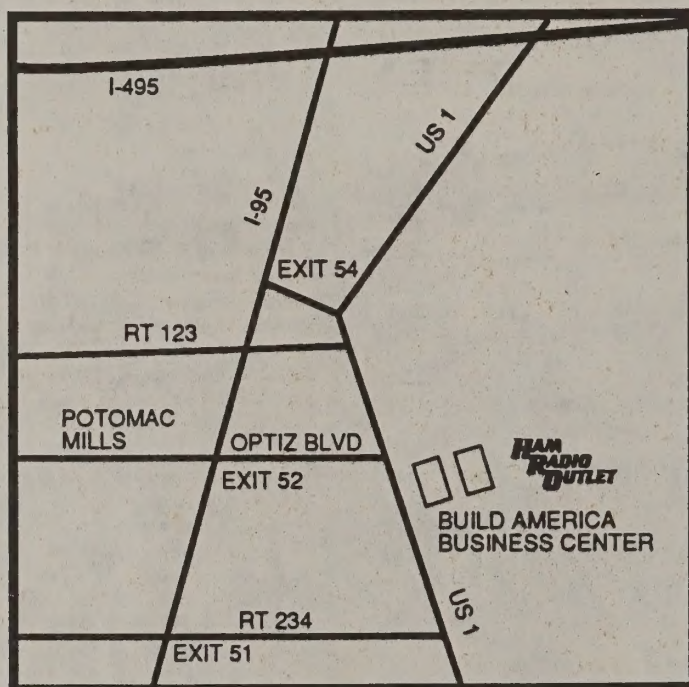


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# **"No Code" Recommendation** **Reported by Stu Meyer - W2GHK**

The Volunteer Examiner Committee (VEC) held its 1990 Annual Conference on Friday June 15 at Gettysburg, PA, and agreed to file comments with the FCC on Docket 90-55 ("No Code") as indicated below.

Remember, this is only a report on the above referenced Conference and does not necessarily reflect the opinions of the Auto-Call magazine or the Foundation For Amateur Radio. This is the position adopted at the conference of the Volunteer Examiner Committee and represents the opinion of only one of the groups who are expected to file comments with the FCC. Some questions do not appear to be totally resolved at this time and the VEC could still change its mind on one or more of the items before the filing date.

The VEC is a highly qualified group and the recommendations adopted at the conference were in accordance with the mandate from the FCC that the total number of license class levels must be the same as now exists.

- (a) The Novice license, in its present form, must be retained.
- (b) The Volunteer Examiner system will test Novice applicants - whether or not they are able to receive any reimbursement.
- (c) The proposed Communicator class of license should have phone privileges on 2- and 6-meters so they may be able to mix with the mainstream of Amateur Radio.
- (d) The Novice and Communicator class licenses will provide two paths of entry into Amateur Radio. Either class can move up to the Technician class by being tested with the appropriate elements.

The Technician class of license must be maintained.

(Continued on page 8)

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# Coming Events

## 1990

- July 7      Jackson's Mill Hamfest/ State Radio Council, Jackson's Mill, W VA
- July 21      Bluefield Hamfest, Bluefield, WV
- July 29      **BRATS HAMFEST, Timonium, MD** (See Page 50)
- Aug. 5      **Winchester 40th Hamfest, Berryville, VA** (See Page 20)
- Aug. 18      Maryland/DC QSO Party
- Sept 9      **Foundation For Amateur Radio Hamfest,**  
**Gaithersburg, Maryland**
- Sept 15-16      Virginia Beach Hamfest  
ARRL Roanoke Division Convention  
ANARC SWL Convention, Computer Exhibition  
Virginia Beach, Virginia  
See flyer on Page 24
- Sept 29      TARA Hamfest, Huntington, WV
- Oct 14      **CARA 13th Annual Hamfest, Howard County, MD**  
**24 Hour Information Line: 997-5052**
- Oct 12-13      QCWA National Convention, Kansas City, Mo

Please keep Auto-Call advised of important Coming Events.  
We are anxious to provide our readers with timely information  
and to help you avoid possible conflicts when scheduling activities.



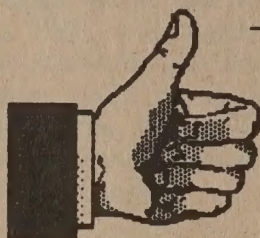
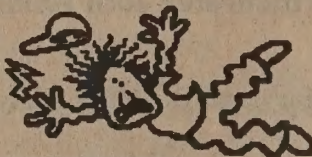
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# FCC Highlights

By Bill Grenfell, W4GF

FCC's John Johnston has "...advised all VECs that 49,992 new and upgraded amateur radio (Form 610) applications were processed by the FCC in fiscal year 1989. "While the VECs reported examining 51,992 persons, the number of persons examined under the Novice program is unknown. "Had the 20,047 passed Novice examinations been administered under the VEC System, the workload to the VEC System would have increased more than 67%. "The 36,579 Novice and Technician license applications processed by Gettysburg represents 73.4% of the Gettysburg new/upgrade workload." (W5YI Report, 05/15/90)

In responding to his inquiry, FCC Private Radio Bureau Chief, Ralph Haller wrote Senator Ted Stevens that "...the Commission has taken no action that would affect the ability of mariners, or anyone else, to use amateur stations interconnected with the public telephone system (phone patching) to make telephone calls. In fact, he said, the Rules concerning international third party traffic have recently been relaxed to permit messages to amateurs in countries where third party traffic is normally not allowed." (W5YI Report, 05/15/90).

At the Dayton, Ohio ham convention FCC Forum, FCC personnel "...drove home the point...that too many hams are filing too many petitions for the resources available. "It was obvious that some of the petitions are repetitive or ill-researched and are unlikely to be granted, yet staff time is still required to study their implications and issue a decision. "Amateurs still call and write asking for special call signs, even though the FCC has granted no special calls in 12 years. (W5YI Report, 05/15/90).

Robert Fizzell - W6UCB of Beaty, Oregon and Richard Young - W6UGH of Los Angeles were each fined \$1,000 for

willful interference with Amateur communications. The investigation was prompted by complaints about repeated jamming on 40 meters. FCC monitors observed that Fizzell and Young "consistently operated adjacent to the operations of other Amateurs and within the bandpass of state of the art receivers." Apparently, when the affected Amateurs changed frequency, Fizzell and Young followed to operate adjacent to them again. (W5YI Report, 05/15/90)

While noting that "various governmental agencies" still have fixed services in the 902 MHz band, FCC polled these agencies and found that Amateur operations in certain portions of the band would not be detrimental. Thus, effective July 1, 1990, FCC has waived Section 2.106 Footnote US267 and Section 97.303(g)(1). of its Rules to permit Amateurs in the restricted area to transmit in the following segments: 902.0-902.4, 902.6-904.3 904.7-925.3, 925.7-927.3, and 927.7-928.0 MHz. The order stipulates that Amateurs "must not cause harmful interference to, and will receive no protection from, any interference due to the operation of industrial, scientific and medical devices (ISM), automatic vehicle monitoring systems or Government stations authorized to operate in this band. Government users of 902-928 MHz will, according to the FCC Order, eventually move to new fixed service bands, at which time the Commission will "consider removing the area restriction on amateur stations entirely."

There is some good news to report in ARRL's effort to get the FCC to pre-empt local and state laws that prevent Amateurs from having radio receivers. Harassment and arrest of Amateurs and confiscation of ham equipment in some states prompted the ARRL to file a Request for Declaratory Ruling.

(Continued)



## FCC Highlights - Continued

If granted, the ruling would likely declare that the FCC overrides any local laws that prohibit licensed Amateurs from having equipment capable of receiving some public-safety frequencies (police, fire). ( The situation is similar to the 1985 PRB-1 case, in which the FCC granted an ARRL request for federal pre-emption of local and state regulation of Amateur antennas). In a nutshell, local and state authorities may still enact some health, safety or aesthetic regulations on antennas, but they must not have the effect of prohibiting normal Amateur operation. They must also represent the "minimum" regulation necessary to achieve the local authority's purpose (See FCC's Amateur Rule Section 97.15(e)). (W5YI Report, 06/01/90).

THE STATESIDE, ALASKA AND  
HAWAII CALL AREAS WERE:  
AS OF 1 MAY 1990

<u>EXTRA</u>	<u>ADVANCED</u>	<u>GENERAL/ TECH.</u>	<u>NOVICE</u>
WF1J	KC1UO	N1HOA	KA1VOO
WY2C	KE2TJ	N2KPW	KB2JYY
NZ3I	KD3SC	N3IAV	KA3WET
AB4VB	KN4ID	N4YWA	KC4QGP
AA5RQ	KI5FA	N5QJH	KB5MNR
AA6VL	KK6JU	N6YRK	KC6KPM
AA7EM	KG7DG	N7OQX	KB7KPA
AA8BA	KF8GC	N8MEX	KB8JTR
WR9N	KE9WJ	N9JOA	KB9EQI
AA0AZ	KF0KC	N0LVA	KB0GPB
HAWAII	AH6KJ*	NH6WL	WH6CHT
ALASKA	AL7LZ*	NL7TW	WL7BYC

\* EXTRA CLASS ALSO ASSIGNED  
FROM THIS GROUP

Gf

### "No Code" Recommendation Proposed by Volunteer Examiner Committee (Continued from Page 4)

- (e) The General class license will be the next step up, and will require the present testing elements - including the 13 wpm code proficiency test.
- (f) The Advanced class of license should be eliminated and no future testing for this class will be provided. Those now holding the Advanced class license, however, will be "grandfathered" and may continue to renew their license.
- (g) The Extra class examination will remain "as is" and will continue to require the 20 wpm code test.
- (h) No existing licensee, regardless of class, will lose any privileges.

At the time of this writing, it is not clear if the grandfathered Advanced class would get the privileges of the Extra class or if the General class would get the privileges of the present Advanced class. There was a strong sentiment in favor of keeping all code speed requirements at the present level.

[Editor's comments: The FCC has mandated that any new license must avoid any negative effect upon current licensees, upon the work of the volunteer examiners, or upon the Commission's workload or resources. "To preclude any impact on our resources, it is imperative that our existing computer-aided application processing system be utilized "as is."]



# American Radio Relay League Report

By John Swafford -- W4HU

*This ARRL Report provides a brief summary of information published in the ARRL LETTER and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.*

---

## BOARD TO HONE CODELESS

**LICENSE STANCE.** League officials met recently to consider the ARRL position on proposed changes to the Amateur Radio licensing structure. The "strawman" committee, appointed by President Larry Price, W4RA, on recommendation of the Executive Committee, was charged with weighing the league's position in light of the FCC's Notice of Proposed Rule Making on the subject (for the full text of PR 90-55 see April QST page 38).

The League's board of directors now actively seeks input from all interested members. The board will consider this input, as well as the recommendations of the April 21 working group, to formulate a position.

The "strawman" committee consisted of five directors, First Vice President George Wilson III, W4OYI, and Executive Vice President David Sumner, K1ZZ. Among their recommendations to the board:

- \* Reaffirmation that the Novice class license as a route of entry into Amateur Radio is absolutely essential.

- \* Support for the incorporation of Novice testing into the accredited Volunteer Examiner system. This would permit examination elements earned in obtaining a Novice license to be used for credit toward upgrading, without retesting.

- \* Pursuing rules changes to permit VECs to recoup examination expenses for Novice exams, provided that no fees are charged for any applicant under age 16.

- \* Retention of the Technician class license as a distinct class of amateur license, and its continued availability to new applicants.

- \* Clarification of the League's position with regard to Element 3A: that the existing Element 3A should be expanded by five questions (i.e., the pool should be

expanded by 50 questions). Requirements for the Novice, Communicator, and Technician licenses would be as follows:

Novice: Elements 1A (5-WPM code) and 2 (30-question written);

Communicator: Elements 2 and 3A (30-question written);

Technician: Elements 1A, 2, and 3A;

Upgrading from Novice to Technician would require passing Element 3A;

Upgrading from Communicator to Tech. would require passing Element 1A;

- \* Certificates of Successful Completion should be issued to candidates who pass either Element 1A or Element 2 without qualifying for a license by passing another element;

- \* Frequency privileges for Communicators should be as proposed in RM-6995 (the League's original codeless license proposal). The FCC proposal of a 200-watt PEP output power limit for Communicators was acceptable to the working group. However, since the only difference between Communicator and Technician qualifications is the 5-WPM code test, the Committee could find no rationale for denying Communicators control operator privileges for repeater and auxiliary stations. Therefore, the Committee recommended the Board reconsider its position on this matter;

- \* Technician licensees who have credit for Element 3B by virtue of having taken the old, 50-question Element 3 examination should retain this credit (permitting them to upgrade to General upon passing just the Element 1B 13-WPM code test);

- \* In all other respects, the committee recommended there be no departures from the ARRL position as adopted in RM-6995. The recommendations of the committee are just that -- recommendations.

(Continued)



## ARRL Report - Continued

**HAM RADIO MAGAZINE SOLD.** Ham Radio magazine and its associated Ham Radio Bookstore have been sold to CQ Communications Inc., publishers of CQ magazine. The announcement was made at the Dayton Convention by T.H. "Skip" Tenney, W1NLB, publisher of Ham Radio, and Dick Ross, K2MGA, publisher of CQ magazine.

The June issue of Ham Radio will be its last; existing subscriptions to Ham Radio will be fulfilled by CQ.

Moving to CQ Communications are J. Craig Clark, NX1G, now assistant publisher at Ham Radio, and Terry Northrup, KA1STC, its editor. Clark, according to a joint press release, will be involved in projects including "the development of the Bookstore operation." Northrup will be a book editor.

The effects of this buy-out could be far reaching. For instance, the editorial makeup of the three remaining major Amateur Radio magazines could change, as writers scramble for new outlets and the magazines themselves ponder what - if any - editorial gap has been left by the demise of Ham Radio.

And advertisers, with one less magazine to buy space in each month, will have new options in the apportioning of their advertising budgets.

**CONFERENCE TACKLES WARC TOPICS.** The International Amateur Radio Union moved one step closer to presenting a united front for WARC-92 at its Region 1 meeting in Torremolinos, Spain last month. Some 180 delegates from more than 40 countries adopted objectives consistent with those already approved by Regions 2 and 3.

The conference was observed by Southeastern Division Director Frank Butler, W4RH, and Executive Vice President David Sumner, K1ZZ. Region 1 comprises Europe, Africa, the Middle East, and the USSR, so ARRL is not a member of this regional organization.

Dr Pekka Tarjanne, Secretary-General of the International Telecommunications Union, officially opened the conference.

Annual dues for Region 1 members were increased about 30 percent, for a special fund for the promotion of Amateur Radio in developing countries and in light of the upcoming World Administrative Radio Conference in 1992. The next Region 1 Conference will be in 1993.

Sumner noted that "The formal actions of a conference are less important than the informal ties -- developed and strengthened during the course of the week. For me, discussions with the Eastern European delegates at this special time in history were the most meaningful and memorable.

"For some of the delegates, newly elected to their offices in recently democratized national organizations, traveling in the West was a completely new experience.

"Also new to them is the challenge of earning the continued support of amateurs in their countries who are no longer required, as a condition of licensing, to belong to the national organization. In most cases, membership is now optional; competing organizations are no longer prohibited; and government subsidies which used to fund paid staffs and overseas travel for approved international events no longer exist.

"Despite these hurdles, the promise of a better future provides the basis for great optimism," Sumner said.

**IARU UNVEILS NEWSLETTER.** To keep member societies abreast of preparations for WARC-92, the International Amateur Radio Union has published its first issue of WARC COUNTDOWN.

"WARC COUNTDOWN," editor K1ZZ writes in the inaugural issue, "will provide...a way to communicate news and exchange information essential to our worldwide preparations for this important conference."

(Continued)



## ARRL Report - Continued

The first issue of the newsletter, which is slated for monthly publication and will go to every IARU member society, describes just what a World Administrative Radio Conference is. It explains how most WARC's are specialized, dealing with the internal regulations of a single radio service or a limited frequency range or geographical area.

General WARC's have much broader authority, the newsletter says. Amateur Radio, after 15 years of preparation for the last general WARC, in 1979, "was able, against great odds, to gain three new HF bands, improved status on 160, new satellite allocations, and (to retain) most of UHF."

WARC COUNTDOWN describes the origins of WARC-92; Some countries took exception to HF broadcast results at WARC-79, especially in the 2-9 MHz range. An HF BC WARC in 1987 recommended asking ITU to consider "...the possibility of extending the HF frequency spectrum allocated exclusively to the broadcasting service" at a future WARC. This issue and some other allocations issues brought about WARC 92.

While Amateur Radio had 15 years to prepare for WARC-79, less than two years remain until WARC-92. Yet, the newsletter says, "IARU has kept at a higher level of readiness...the regional organizations and the Administrative Council have been developing contingency plans since at least 1985.

"In the months to come," WARC COUNTDOWN concludes, "we will be asking for your full support of the WARC-92 effort. Please respond as if the future of Amateur Radio depended on it. It does."

**DAYTON HAMVENTION.** For the first time in its 39-year history the Dayton HamVention has named an ARRL official its Amateur of the Year. The award, made Saturday, April 28 at the HamVention banquet, went to ARRL Hudson Division Director Steve Mendelsohn, WA2DHF, for his "long and dedicated career of service to the Amateur Radio community."

Mendelsohn was cited for his work in repeater coordination (he is past director of the Tri-State Repeater Council), directing communications for the New York City Marathon, and public service. He is the author of a 42-page guidebook to public service communications.

"In 1976," Mendelsohn related in his acceptance speech, "a man named Fred Lebow, President of the New York Road Runners Club, asked to speak to the (Repeater) Council. He was going to run a marathon through the streets of New York City and just needed 'a few' hams to help provide safety communications.

"I thought to myself that the guy was nuts...(then) I found I had been volunteered to lead this communications effort," Mendelsohn told the HamVention banquet crowd. "I quit on the spot and they would not accept my resignation. That's how I came to be associated with volunteers."

Mendelsohn, a career employee of the CBS Radio Network division of CBS, nearly did not make it to the HamVention to accept his award. He was called to Weisbaden, West Germany, the week before, to help cover the release of US hostage Robert Polhill.

After remaining in Germany for several days, awaiting possible additional releases, Mendelsohn returned to his home in New Jersey on Thursday, then caught a Friday morning flight to Dayton!

**OTHERS HONORED AT HAM-VENTION.** The 1990 HamVention's Special Achievement Award went to Paul M. Thompson, KC0VG, for his professional work in encouraging students to pursue Amateur Radio as a "career awareness opportunity in electronics and communications."

Thompson, a botanist and director of the Blue Springs Campus of the Longview (MO) Community College, encouraged area hams and businessmen to fund the Blue Springs Amateur Radio Club. This was followed, in the spring of 1989, by a formal course: Electronic Engineering Technology 122--Amateur Radio.



## ARRL Report - Continued

Eleven students enrolled, and Amateur Radio became a part of the college curriculum.

Recipient of the HamVention Technical Excellence Award Bob McGuier, N4HY, is a member of the original team who pioneered the Microsat series of OSCAR satellites in late 1987. McGwier, author of the well-known Qwiktrak satellite tracking software, also has co-written several QST articles as well as papers presented at ARRL Computer Networking Conferences.

McGwier currently is assistant vice president of engineering for AMSAT and is a former member of the board of directors of TAPR.

**MILSAP WOWS HAMVENTION BANQUET.** Ronnie Milsap, WB4KCG, is a real ham. First licensed as KN4NYZ in the 1950s, today he is WB4KCG and has been a contemporary music star for two decades. 1300 Hamvention banquet-goers sat spellbound as Milsap, the featured speaker, talked about his life, and about his hamming.

WB4KCG was born totally blind, into the family of a sawmill worker in North Carolina. By the age of seven he was immersed in a rigorous program of classical music training in a special school. From these humble beginnings, he has recorded more than 30 number one singles, several gold and platinum albums, has six Grammys under his belt, and has received the Country Music Association's Entertainer of the Year award.

Milsap today lives in Nashville, entertaining himself with computers and Amateur Radio, between shows that keep him traveling more than 200 days a year. He is especially interested in antique radios and tapes of old-time radio shows.

WB4KCG has raised thousands of dollars for scholarships to blind students and for eye research.

His autobiography, "Almost Like a Song," is due in bookstores next week.

**DXCC FROM AFAR.** Field checking of QSL cards for DXCC is favored by a majority of DXers, a show of hands at the HamVention DX Forum indicated. But there are reservations.

The Membership Services Committee of the ARRL Board of Directors, following a discussion in Dayton, will write a preliminary proposal for such a system, to include;

- \*Maintaining the integrity of the DXCC program;

- \*Reducing processing time;

- \*Reducing costs;

- \*Involving only highly qualified field checkers in the process.

The committee favors having highly motivated DX clubs provide the remote checking of QSLs, with stringent requirements for appointment. Field checking could be limited to a short list of "more common countries," to avoid questions of accreditation.

The MSC discussions were directed by the ARRL Board at its January, 1990 meeting, and will continue.

**W1AW RENOVATION UPDATE.** Contributions to the Maxim Memorial Station renovation continue to arrive, from manufacturers as well as private individuals. The station, rededicated last July, is nearing completion (as if a ham station is ever complete, or permanent!), with some antennas yet to go up, according to W1AW station manager Eddy Pollock, W6LC.

Last week W1AW was the beneficiary of two Tandy 1000 TL/2 computer systems, through the auspices of Ed Juge, W5TOO, marketing director for the Tandy Corporation. These computers initially will be used--in conjunction with a Buckmaster CD ROM call sign data base--for record keeping and QSLing at the station, as well as for visiting operators to use in log keeping.

□ □ □





## PUBLIC SERVICE REPORT

Hank Black - N3ESR  
(301) 340-8595

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*"Material for the PUBLIC SERVICE REPORT can be left to N3ESR on the WA3ZNW packet bulletin board on 145.09 MHz, called by telephone, or mailed electronically by modem on arrangement, or mailed to Public Service Report, 105 North Van Buren St., Rockville, MD 20850-1860. Deadline for receipt of material is the third of the month."*

---

### SHENANDOAH VALLEY ARC ASSISTS BIALATHON

by Walter Johnson, WA4HVU

The Spring Fever Bialathon held May 13 at Clearbrook Park was supported by members of the Shenandoah Amateur Radio Club (SVARC).

SVARC members were stationed at several points along the 26 mile route to report on anyone who might suffer an injury or get lost.

It was not an ideal day for the affair. It was raining yet a track record was set. With the exception of several flat tires some skinned knees and elbows all went well.

Thanks go out to Frank KE4KF, Bill K4TIX, Paul NI3T, Sheron N4MCS, JoAnn WB2CMV, Frank N8ENB and Walt WA4HVU for a job well done.

### UPDATE ON NORTHERN VIRGINIA TRAFFIC NET

by Walt Johnson, WA4HVU

In the June issue of AutoCall, George Stein, NJ3H, former net manager of the Shenandoah Valley Emergency Net (SVEN), reported that the new Northern Virginia traffic Net (NVTN) meeting on the 147.30+ repeater is replacing the NTS portion of the SVEN.

The SVEN is as it has always been, a NTS net. As a matter of fact, it was one of the first if not the first two-meter net with NTS affiliation in Virginia. The SVEN continues to meet each evening at 7:15 pm on the Winchester 146.82- repeater. The net manager is Dave Barr, KB4MUJ.

All are invited to check in and bring traffic to SVEN which serves the Shenandoah Valley.

### HURRICANE SEASON IN FULL SWING

(Compiled from U.S. Dept. of Commerce News)

The 1990 hurricane season opens with concern that the 1988 and 1989 Atlantic hurricane seasons are precursors of the 1990 season which began June 1st and ends November 30th.

Dr. Robert Sheets, Director of the National Hurricane Center of the National Weather Service at Coral Gables, Florida, stated "We have been through a comparative lull in hurricane activity in Florida during the past two decades, with a similar lull for East Coast storms until Hurricane Hugo. If Hugo is an indicator of things to come, as research at Colorado State University indicates, we may see a return to a period of hurricane activity similar to the 1940's and 1950's, when powerful and destructive storms regularly struck Florida and the East Coast."

(Continued)



## Public Service Report - Continued

While damage caused by Hurricane Hugo was extensive, a low number of casualties showed that lives can be saved. Proper planning for new coastal development is needed to reduce future property damage.

In South Carolina, evacuation planning based on FEMA's guidelines is credited with saving many lives during Hurricane Hugo. (Extensive coverage by the media of Hurricane Hugo in the Caribbean brought a level of storm awareness to the public never seen previously adding to the public's acceptance of evacuation plans. -N3ESR)

Two geostationary (GOES) weather satellites normally are positioned over the Equator to provide a broad view of the United States, its coastal waters, and the Pacific and Atlantic breeding grounds for winter storms and hurricanes. At present, due to loss of spacecraft in 1986 and the subsequent failure of an orbiting satellite, one GOES is fully operational.

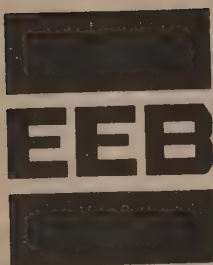
NOAA's solo stellite, GOES 7, is enroute to its hurricane season location at 98 degrees west longitude, which it is scheduled to reach on August 2nd, well before the most active weeks of the season. It is being moved 10 degrees east to extend its view closer to the hurricane breeding grounds off the coast of Africa.

-30-

## PUBLIC SERVICE CALENDAR

- July 4th    Fairfax City Parade  
            Contact Bob Lewis, N4SCK (703) 830-3495 for information
- July 4th    Vienna Wireless Society Amateur Display  
            Vienna Town Festival
- Sept. 1-3   International Children's Festival  
            Wolftrap Farm Park  
            Contact Bob Lewis, N4SCK (703) 830-3495
- Oct. 1st    Wheel Chair Race of Champions  
            Old Dominion Bike Trail  
            Contact Bob Lewis, N4SCK
- Nov 10th   Marine Corps Marathon  
            Contact Dick Lum, NH6E (703) 938-9215





# the EEB Hamgram

HAM & SWL NEWSLETTER

Volume 190

Spring 1990

## THE NEW EEB

We are excited about the *NEW EEB*. At long last we have larger showrooms (several of them), more warehouse (larger inventories), and space to grow. We have all this under one roof and ample parking.

Since we opened the doors at our new facility customer response to the *NEW EEB* has been positive and very complimentary.

Stop by and see the shiny new face of EEB and enjoy our new store.

## THE HAMGRAM

Over the last 12 years we have mailed thousands of *HAMGRAMS* as promotions for special sales. They were mass mailed to nearly every ham in this area.

This *HAMGRAM* inaugurates our newsletter format. The *HAMGRAM* will be sent to all subscribers at no charge. Just write or phone EEB to be placed on our mailing list.

Our idea with the new *HAMGRAM* is to quickly inform our subscribers of special deals from our suppliers that you may never see in the magazines. You'll also see announcements of new products before they appear in the magazines and read about things months before they will be seen in *QST*, *CQ*, *73*, or *Ham Radio*. Why? Because those big magazines have a nearly three month lead time for publication. The *HAMGRAM* is prepared locally and has a lead time of only a few days.

We also will list *VEC* exam schedules, ham class and club information, and even include short informative how-to articles.

Of course each issue will include special sales on demos, trade-ins, and more.

## EEB GRAND OPENING A BIG SUCCESS



February 25th (Winterfest Day) was the Grand Opening of our new retail store.

Well over 1,000 customers passed through the doors at 323 Mill Street, creating a buying frenzy among the many store-wide specials.

We wish to express our appreciation to the following suppliers for assisting us in making our grand opening such a success.

### ICOM

Jim Newcomb N7MBA and Bill Everett K7RIE displayed the new ICOM R1, R100, and R72A receivers



and answered many questions about the Icom amateur and SWL lines.

They also showed off their new and very special IC24AT dual band HT. This is sure a rig to watch for. It can do 2 meters and 440 Mhz --- and scan from airband to cellular.

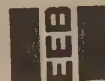
### CUSHCRAFT

Ed Hammond KB1DG showed all the details of their super selling R5 vertical antenna.



FREE subscription to the EEB Hamgram

If you would like to receive a free subscription to the EEB Hamgram complete the item below and bring (or send) this coupon to EEB, 323 Mill Street, NE, Vienna, VA 22180 or phone at (703)938-3350.



Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ St \_\_\_\_\_ ZIP \_\_\_\_\_  
Call sign \_\_\_\_\_

### Store Hours -----

9 to 5 Mon - Fri  
'til 9 on Thur  
10 to 4 Sat  
Closed Sunday

### Phones -----

(703)938-3350  
(800)368-3270

Electronic Equipment Bank  
323 Mill Street, NE  
Vienna, VA 22180



# Training Classes

**Robert Armstrong, WA4SQL**

44 South French Street, Alexandria, VA 22304

(703) 751-2294

**Novice Classes starting September 5, Arlington, VA.** Sponsored by Arlington Amateur Radio Club, American Red Cross Building, 4333 Arlington Blvd. Classes will be held on Wednesday evenings at 7:00 p.m. and will continue for ten weeks. For further information and registration contact Fred Bardsley, WD4DHW (703) 533-0372.

**Novice/Technician course starting September 10, Alexandria, VA.** Sponsored by Mt. Vernon Amateur Radio Club and Alexandria Radio club. Classes will be held on Monday evenings from 7:30 to 9:30 and will run for about 15 weeks. There is no charge for the course; however, students will be expected to provide material costing about \$30. For information contact John Forrest - WZ4A at (703) 971-3905 or Harry Jones - N4CWP at (703) 204-1781.

**Training classes starting in September, Anne Arrundel, MD.** Sponsored by Anne Arundel Radio Club. Spring session resulted in 17 new licenses and upgrades.

**Radio theory training class. Warrenton, VA.** Sponsored by Fauquier Amateur Radio Club. Will begin the third week in September

## GENERAL INFORMATION

<u>Club</u>	<u>Contact</u>
Alexandria Radio Club	Harry Jones - N4CWP (703) 204-1781
Anne Arundel	Tony Young - WA3YLO (301) 262-1917
Antietam Radio Assn.	Ken Picone - KC3TT (301) 824-3519 after 5:00 p.m.
Arlington ARC	Fred Bardsley - WD4DHW (703) 533-0372
Baltimore ARC	Phone 1-800-HAM TALK
BRATS	Bill Self (301) 669-0149
Chaverim, Inc.	Bob Teitel - W3IDT (301) 654-3484
Fauquier ARC	Bill Mills - KC5PF (703) 937-4090 (H), 818-3955 (O)
Frederick ARC	Steve Bauman - W3FOA (301) 662-4552
Laurel ARC	John Albertine - W3GFX (301) 490-5286
MADRAS	Larry Ziecheck - N3GKZ (301) 530-8646
Montgomery ARC	Ken Nichols - KA3KGL (301) 977-5405
Mount Vernon ARC	John Forrest - WZ4A (703) 971-3905
NASA/Goddard ARC	Vikki Gigante -KA3PVS (301) 249-2609
Pentagon ARC	David Boyd - K9MX (202) 697-0630
Rock Creek ARA	Walt Ramsey - AK3B (301) 949-3954
Shenandoah Valley ARC	Guy Black - W4PSJ (703) 722-4952
Southern Maryland ARC	Vic Curtis - WA3YUV (301) 888-1388
Sterling Park	Art Nevins - WA4NTP (703) 437-9382
Tri County ARC	Al Sines - WA3QGA, Box 710, College Park 20740
Vienna Wireless	Paul Wilkins - AB4CY (703) 560-2779
Washington Adventists	Henry Miller - W3BWN (301) 474-7376
Woodbridge Wireless	Loyd Davis - K8EI (703) 360-0248

Please keep the Training Chairman advised of any changes in the names and telephone numbers of the contacts for club training programs.

Please list training programs far enough in advance for effective publicity.



**FOUNDATION FOR AMATEUR RADIO**  
**Volunteer Examiner Cooperative**

Nancy Draheim - NK4U  
3513 Old Post Road, Fairfax, VA 22030  
(703) 691-0078

**SCHEDULE OF EXAMINATIONS**  
**1990**

*IMPORTANT NOTE: If you now have a Technician class license which was acquired prior to March 21, 1987, have a copy of it available when you decide to upgrade.*

**EXAMS**

- July 7      John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in  
Contact: Albert Bailey, N4RPI (804) 233-6461 or  
              Phil Giella, KC4DSF (804) 561-3020
- GWU/Dept of State (Washington, DC) (ARRL VEC) Walk-in  
Contact: Derrill Rohlf, W3WOX (301) 423-0179
- July 13      Pentagon ARC (Pentagon Bldg) (W5YI VEC) Escort required  
Contact: David Boyd (703) 659-6241
- July 14      PROS (Salisbury, MD) (Laurel VEC) Walk-in  
Contact: John Rupprecht, K3NOQ (301) 749-7444
- Chesapeake DX Assn. (Chesapeake, VA) (W5YI VEC)  
Contact: Bill Verebely, KC4YX (804) 424-4764
- Maryland Mobileers ARC (Laurel VEC) Pre-registration requested  
Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115
- July 22      Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC)  
Contact: Norma Jean Bollinger, NC3X (301) 717 597-8231 before 9:30 p.m.
- July 27      Stafford Area Repeater Assoc. (Stafford, VA) (W5YI VEC) Walk-in  
Contact: David Boyd (703) 659-6241
- July 28      Laurel ARC (Laurel, MD) (Laurel VEC)  
Contact: John Creel, WB3GXW (301) 749-7444
- Mountain ARC (Cumberland, MD) (Mountain VEC) Walk-in  
Contact: Gay Rembold, W3DFW (301) 724/0674
- Aug 4      John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in  
Contact: Albert Bailey, N4RPI (804) 233-6461 or  
              Phil Giella, KC4DSF (804) 561-3020
- Aug 5      Berryville Hamfest (Berryville, VA) (ARRL VEC)  
Contact: Walt Quitter, NC4B (703) 869-5241
- Aug 11      Hampton Roads Radio Assn. (Hampton, VA) (W5YI VEC)  
Contact: Bill Runyon, N4BDH (804) 487-8611
- Massanutten ARA (Harrisonburg, VA) (ARRL VEC)  
Contact: Wayne Miller (703) 434-4424



## Volunteer Examiner Cooperative - Continued

- Aug 25 Laurel ARC (Laurel, MD) (Laurel VEC)  
Contact: John Creel, WB3GXW (301) 572-5124
- Sept 1 John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in  
Contact: Albert Bailey, N4RPI (804) 233-6461 or  
Phil Giella, KC4DSF (804) 561-3020
- Sept 8 Montgomery College (Germantown, MD) (ARRL VEC)  
Contact: John Muller, W3QF (301) 564-0178  
Maryland Mobileers ARC (LARC VEC) Pre-registration requested  
Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115
- Sept 13 Pentagon ARC (Pentagon Bldg.) (W5YI VEC) Escort required  
Contact: David Boyd (703) 659-6241
- Sept 16 ARRL Roanoke Division Convntion (Virginia Beach, VA) (ARRL VEC)  
Contact: Ed Brummer, W4RTZ (804) 898-8031  
BRATS (Baltimore, MD) (Laurel VEC) Walk-in  
Contact: Steve Silberman (301) 547-7123
- Sept 22 Laurel ARC (Laurel, MD) (Laurel VEC)  
Contact: John Creel, WB3GXW (301) 572-5124
- Sept 28 Stafford Area Repeater Assn. (Stafford, VA) (W5YI VEC) Walk-in  
Contact: David Boyd (703) 659-6241
- Oct 6 John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in  
Contact: Albert Bailey, N4RPI (804) 233-6461 or  
Phil Giella, KC4DSF (804) 561-3020

While most examinations are offered on a walk-in basis,  
pre-registration is desirable in all cases.

Certificates of successful completion for theory tests  
are not always accepted. Check with the contact person  
for the examination you wish to take.

If you are upgrading from Technician class license acquired prior to March 21, 1987  
a copy of your license may be required as proof that you are grandfathered  
for Element 3B (General theory)

NOTE: All examinations require that you submit:  
Copy of your current Amateur Radio license (bring original)  
Completed FCC Form 610.

Check for appropriate examination fee.\*

Maximum fee has been raised to \$4.95.

Fees of individual VEC may vary.

ARRL Exam fee is \$4.95

W5YI Exam fee is \$4.95

Laurel Exams are still free.

Mountain VEC Novice Exams free

All other Mountain VEC Exams \$2.00

This schedule of examinations appears each month in Auto-Call Magazine  
Sponsored by the Foundation for Amateur Radio



# Educational Workshop



For Instructors' and Teachers' Eyes Only!

Are you interested in Amateur Radio instructing, Amateur Radio recruiting or using Amateur Radio in your school? If yes, ARRL is looking for you! This year we're sponsoring an educational workshop on each coast—one in the Washington DC-area and one in San Diego—and one at the National Convention in Kansas City, Missouri. We think you'll want to take part in one! On Saturday, September 8, (the day before the Foundation for Amateur Radio Hamfest in Gaithersburg, Maryland) teachers and instructors will meet, listen to talks and exchange ideas about what's successful, and what's not, in the Amateur Radio recruitment and education fields. If you'd like to do more than listen, comment, and learn, we'd love to have you plan a 20-minute talk on any related topic and share your experiences with other educators! The get-together will be held at the National Institute of Standards and Technology in Gaithersburg at 11:30 to 4:30.

If you stay for 5 hours, ARRL will award you with a certificate for .5 Continuing Education Units. We need to know if you can attend in order to reserve a big enough room; **YOU MUST RSVP.** For further details on directions, convenient places to spend the night or eat, speakers' topics, and more, write to Rosalie White, WA1STO, ARRL Educational Activities Department, 225 Main St. Newington, CT 06111 (203-666-1541). Hear the latest Amateur Radio educational news, successful teaching techniques, and come have a good time with us!

**YES! I'M INTERESTED IN THE EAST COAST ARRL EDUCATIONAL WORKSHOP!**  
Send me more details.

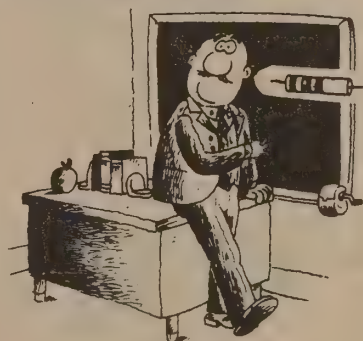
\_\_\_\_\_  
Name Call

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State ZIP

I could give a talk about: \_\_\_\_\_

My telephone number is: (     ) \_\_\_\_\_





# "SHENANDOAH VALLEY AMATEUR RADIO CLUB"

---

**40th. ANNUAL WINCHESTER HAMFEST  
SUNDAY, AUGUST 5th., CLARKE COUNTY RURITAN  
FAIRGROUNDS, BERRYVILLE, VA.**

Breakfast, Snack Bar, Ruritan's Famous Chicken & Beef Barbeque!



APPROVED  
HAMFEST



V-E  
EXAMS

Sunday 9AM

Talk in 146.22-82 & Simplex

Ladies' Bingo, Arts and Crafts (Non-Commercial)



## DUTCH TREAT DINNER

4 Entree All-U-Can Eat Buffet \$12.95

Saturday night at Jimmy's

6:30 P.M. Cash Bar - 7:00 P.M. Dinner

Call Walt for reservations 667-1474

Gate Opens 6:00 A.M. - Admission \$5.00 - Tail-Gaters / Tables \$7.00



# SRAM-019

[Soviet Radio Amateur Movement]

by Ralph Bates, K1ZZI, and Dexter Anderson, W4KM

## FLASH -- July DXpedition to Rare Oblast' in Soviet Georgia

From 1 to 15 July 1990, K1ZZI, KP4DQ, WF2S, AA6PY and 12 Soviet amateurs will participate in a joint Soviet-American DXpedition organized by RW6AC. They expect to operate with the portable indicator UF7V along the coast of the Black Sea and from the Caucasus mountains. The "F-V" identifier embedded in UF7V corresponds to the Abkhazskaya Autonomous Soviet Socialist Republic, which is "Oblast" No. 013; the Abkhazskaya ASSR lies within the Georgian Soviet Socialist Republic (identifier F-F, "Oblast" 012), which is one of the 15 SSRs that comprise the USSR. QSL to KP4DQ.

[What follow are summary translations from the Soviet Amateur Press]  
[Comments by translator are in square brackets or footnotes]

[from March 1990 issue of RADIO magazine]

### "ARCHIGELAGO OF HEARTS"

"On the Air -- UA3WFM"

by Lyudmila Mikhaylovna Fedorova, UA3WFM, Kursk<sup>1,2</sup>

#### [Introduction]

The March<sup>1</sup> issue for 1983 described two radiowomen, Yelena [Helen] Pavlovna Molozhayeva, and her daughter Lyudmila Mikhaylovna Fedorova. Yelena Molozhayeva is now retired. Lyudmila is working as a radiowoman in the Ministry of Communication of the USSR; she also writes poetry and songs and plays the guitar. When her husband, well-known radioamateur-shortwaver and polar radioman Nikolay Nikolayevich Fedorov, UA3WFM, ex-UA0BAY, returned to Kursk from working in the North, she became licensed as UA3WFM. In two years, she's had 10000 contacts with 180 countries and territories of the world. She belongs to the High Speed Club and to the Soviet QRQ Club. Their daughter, Yelena, UA3-135-813, is learning Morse.

#### [Article proper]

Why are there so few women among the thousands of amateurs I work from our country? Everyone understands that women as a rule have very little free time to go to a radio club. But home operation is something else; you can always find two or three hours in a day. But where can you get equipment?

I've been an amateur photographer for years. There's no problem [in getting equipment] -- I go to a store and buy what's necessary. Even now, with the shortages, you can get by. And no one tells me to prepare, say, photographic paper at home or accuses me of having an attitude of dependency if I wait for it [the photographic paper] to show up in the store.

The idea comes to mind involuntarily: What if amateur photography, like amateur radio, had been put under the sponsorship of DOSAAF?



## SRAM-019 - Continued

### "FRIENDSHIP' RADIOGAMES AT KHABAROVSK"<sup>3</sup>

by Gennadiy Grigor'yevich Shul'gin, UZ3AU

The ancient Far East city of Khabarovsk<sup>4</sup> is twinned with Niigata, Japan, and Portland, Oregon, USA. The idea of conducting International Radiosport Games between these cities originated two years ago.

The American and Japanese guests arrived on the same flight from Japan the evening of 22 September 1989. The American team consisted of Kevin Hunt, WA7VTD, a lawyer; Dick Fredrickson, WA0DIM, a psychiatrist; David Wright, N7NYO [Sic; N7MYO], a mechanical engineer and fisherman; Rene Berblinger, KX7Z, a professional musician and guitarist; John White, K7RUN, a communications engineer and communications coordinator of the Oregon Chapter of the American Red Cross Society. John was accompanied by his wife Rose and their nine-year-old daughter Elizabeth. The Japanese team consisted of Yesiko Yamagami, JO1LCB, a nurse, and Zenichi Oba, JN1JPX, a technical translator who speaks Russian.

Aleksandr Turkin, UW0CR, won the speed-transmission-of-texts event with a straight key.

Next morning, the participants decided unanimously to go ahead with the "fox-hunt" event despite a solid downpour. Before the start, John White calmly and methodically examined all of the knobs and switches of his receiver, unhurriedly went out on the trail, and ... took first place. Little Elizabeth was so happy for her papa! Yesiko also performed well. At the finish line, she was surprised to get warm birthday greetings and burst into tears.

After lunch, the teams split up and went off to separate stations to conduct shortwave radio contacts. The Americans drew collective station RZ0CZZ of the pioneer camp "Dubki"; the Niigata team drew UZ0CWW of the Khabarovsk Railroad-Transportation Technical School; the Soviet team, headed by Yevgeniy Stavitskiy, UW0CA, Chairman of the local FRS and the spirit and organizer behind the Games, drew UZ0CWC of the Khabarovsk Pedagogical School.

At exactly 1600 local time, the competitions started. The Japanese team, starting off on 15m, quickly took the lead, logged Japanese stations almost exclusively, and didn't let up til the very end of the four-hour competitions; it took first place and Yesiko Yamagami won in the individual scoring.

Future games and joint expeditions were discussed. "Now we know," said John White, "what your 'secret weapon' is. It's friendliness and sincerity!"

From the "NLD" column in the weekly newspaper "Sovetskiy Patriot"  
[NLD = "na lyubitel'skikh diapazonakh" = "On the Amateur Bands"]  
edited by Boris Grigor'yevich Stepanov, UW3AX

NLD-1432, 02 - 08 April 1990:

UA0KB/4K4 has begun operating from Wrangel Island. QSL via RA3YA, P. O. Box 73, 214000 BRYANSK. From RA3YA.

The 4K prefix series is presently being used as follows: 4K1 - Antarctica, 4K2 - Franz-Josef Land, 4K3 - Arctic (European part), 4K4 - Arctic (Asian part), 4K0 - Arctic (drifting stations).



## SRAM-019 - Continued

QSL cards for the ES1RA (UR3RA) expedition should be sent to P. O. Box 806, 200017 TALLINN. During the expedition, 4000 contacts were made.

In the new Estonian callsigns ES1 = Tallinn, ES2 - ES8 = rayons of the Republic (each number is allotted to one or more rayons), ES9 = special stations, ES0 = islands.

NLD-1433, 09 - 15 April 1990:

From 21 through 28 April, UI8IAY and UI8IAQ -- UI1D/home call or UI2D/home call -- will operate on all bands CW and SSB from Syrdar'inskaya Oblast' [I-D, 173, Uzbekistan]. QSL to UI8IAJ to, P. O. Box 71, 703000 SAMARKAND.

In the near future, operation is expected from Spratly Island by an international expedition consisting of JH3DPB, 5H1HK, RB5IJ, 3W3RR, UL7PCZ, RL8PY, and XV2AAA through XV2AAD, and using the callsign IS0XV. From 3W3RR.

NLD-1434, 16 - 22 April 1990:

In connection with the division of Khatlonskaya Oblast' [formed 8 September 1988] [J-K, 192] in the Tadzhikskaya SSR into Kurgan-Tyubinskaya Oblast' and Kulyabskaya Oblast', changes have been made in the listing for the R-100-O diploma [Worked 100 Oblasts certificate]. Khatlonskaya Oblast' is deleted from the listing. Effective 24 January 1990, Kulyabskaya Oblast', No. 182, callsign series UJ8K and RJ8K [i.e. J-K], and Kurgan-Tyubinskaya Oblast', No. 183, series UJ8X and RJ8X [J-X], are restored. Since previously-issued callsigns aren't usually changed, some stations in Kurgan-Tyubinskaya Oblast' now use callsigns in the UJ8K series.

On 26 - 27 April 1990 [the Chernobyl' explosion occurred 26 April 1986], a telephone marathon will take place to raise funds for victims of the Chernobyl' Nuclear Power Station disaster. During the 24-hours marathon, special-call station RK3CH will operate from Moscow and RK5CH from Pripyat' [near Chernobyl']. QSL to RW3AH and UY5XE respectively.

QSL cards for ER4LYL (16 - 22 April 1990) are to be sent to P. O. Box 45, 433510 DIMITROVGRAD-7 (Ul'yanovskaya Oblast'). From RA4LW.

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<sup>1</sup>To mark International Women's Day (on the 8th of the month), the March issue of RADIO traditionally highlights women's activities.

<sup>2</sup>Kursk, approximately 500 km SSW of Moscow, is the administrative center of Kurskaya Oblast'. Amateur stations in Kurskaya Oblast', Oblast' No. 135, contain the RSFSR "number-letter" identifier 3W.

<sup>3</sup>For a description (with photos) of the same event, see "The First Sister Cities US-USSR Radio Sport Games," QST, May 1990, page 14.

<sup>4</sup>In Russian/Soviet usage, "Siberia" does not include the Easternmost part of the USSR, which is known as the "Far East." Khabarovsk, the administrative center of Khabarovskiy Kray (RSFSR "number-letter" identifier 0C, "Oblast'" No. 110), had an estimated population in 1985 of 576,000; the only other city in the Soviet Far East with a comparable population is the port of Vladivostok, which had an estimated population in 1985 of 600,000.

✕ ✕ ✕



**15<sup>th</sup>**  
**ANNUAL**

# VIRGINIA BEACH HAMFEST

September 15th & 16th, 1990  
Virginia Beach Pavilion



☒ **ARRL Roanoke Division Convention**

☒ **ANARC 1990 SWL Convention**

☒ **Computer Exhibition \* Largest**

## COMMERCIAL BOOTHS & TABLES

**Lewis Steingold W4BLO**  
3449 Dickens Drive  
Virginia Beach, VA 23452  
(804) 486-3800

## TICKETS & INFORMATION

**Manny Steiner K4DOR**  
3512 Olympia Lane  
Virginia Beach, VA 23452  
(804) 340-6105

### Ticket and/or Booth & Tables Registration Form

Name \_\_\_\_\_ Telephone \_\_\_\_\_

Business Name/Call Sign \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_ Advance Tickets good for **both days-- \$5.00** (At the door-- \$6.00) ... \_\_\_\_\_

\_\_\_\_\_ *Children under 12 free*

\_\_\_\_\_ Commercial 10' x 10' Booth for both days-- \$75.00 per booth ..... \_\_\_\_\_

\_\_\_\_\_ *Booth includes electricity*

\_\_\_\_\_ Commercial 8' Table for both days-- \$30.00 ..... \_\_\_\_\_

\_\_\_\_\_ Electrical Outlet for both days-- \$15.00 ..... \_\_\_\_\_

ENCLOSE SELF-ADDRESSED, STAMPED ENVELOPE  
FOR TICKETS AND REGISTRATION RETURN.

**TOTAL** \_\_\_\_\_

City

Ordinance

Prohibits

Smoking

In

Pavilion

**Outdoor Tailgate \$15.00** (No Advance Registration)

**Outdoor Tailgating** - a special area for "out of the back of your car" tailgating and good for both days. Area consists of one lined off car space with car parked within the space.



# Have Bug - Will Travel

H.B. Johnson - W4IIG

Taking up the summer, 1982, voyages of the United States Line's S/S AMERICAN ARGOSY/KFCX on arrival at the Boston Pilot Station inbound from North Europe ports - it was a typical summer day, beginning with fog, then lifting to haze, and clearing by mid-morning. Twisting and turning up the channel to the container terminal required an hour or more and Sparks spent this time taking in the sights and working several Amateurs on 2-meter repeaters in the area. Ashore, the nearly-overwhelming variety of historical sites, objects, etc., made it difficult to plan a single half-day excursion! One should have at least one week to even "skim" the possibilities. So, after just a glimpse at history, a pleasant seafood lunch at one of the old landmark eateries, it was time to board ship and proceed with "pre-departure tests" of all radar and communications gear. By five PM we had dropped the pilot and shaped course for the Cape Cod Canal on an overnight run to New York. This is always a pleasant "excursion" and anyone interested in short-term voyaging should investigate the possibilities, as there are no doubt "tour boats" making the slightly shorter run from Boston to Providence, RI during the summer months.

The "arrival watch" beginning at 0500L on 16 June started with an XXX emergency broadcast from the USCG-MIAMI/NMA on 500kHz. XXX is the internationally recognized "Safety Signal" second only to the "Distress Signal" SOS in priority. In this case, the message was brief and to the point: XXX NMA TANKER OGDEN WILLAMETTE 34 POB SINKING 17-17.5N 075-41.5W BEING ASSISTED. QUM 160923Z/NMA. The "QUM" signifying that normal radio-telegraph traffic could be resumed on the 500kHz distress and calling frequency, and that the situation was under control with no further action required by those outside the immediate scene of action. The writer has no additional information pertaining to this sinking; however, full particulars may be obtained from the

Coast Guard in the form of a detailed Accident Investigation Report. These reports usually make for very interesting reading!

Ashore in New York City after Customs, Immigration, Pay-off, your's truly made a bee-line for the Staten Island ferry and the Southport Maritime Museum which was undergoing a rapid expansion. A most interesting day indeed! A first rate lunch was taken in one of the many (at that time) small "eateries" in the immediate neighborhood which still retained the old-time "flavor" and authentic decor. One wonders if any of them still exist - or if "fast-food" has taken over... A thunderous downpour in the afternoon initiated a strategic withdrawal to the mecca known as the SEAMAN'S CHURCH INSTITUTE in lower Manhattan - a haven for merchant seamen from all over the world for well over 100 years. Since Sparks was not required aboard until late the next afternoon, the remainder of the day was spent relaxing at the "SCI" complex. Yarning with new-found friends at the lounge, a fine dinner "aboard", musical entertainment in the evening, and a private room for a night of uninterrupted snoozin' all at just a small fraction of what the cost would have been on the "outside". Sadly, the facility was later moved - taking a bit of history away from the area, all in the name of "progress"...

Highlight of the next day was an extended visit to Governor's Island and the United States Coast Guard's Rescue Coordination Center. For any visitor to the area who has any interest whatsoever in the sea, this is a "must"! Both the professional seagoer - licensed or unlicensed, and the educated lay-person will gain much by taking advantage of this no-cost "tour". As "icing on the cake" there is even a ferry-boat ride on frequent schedule, providing a breathtaking view of lower Manhattan's skyscrapers, East River and the "Stapleton Anchorage Area", usually filled with several deeply laden tankers lightering-off part of their cargo. As part



## Have Bug - Will Travel - Continued

and parcel of the "RCC", the Automated Merchant Vessel Reporting System (AMVER) coordination center is co-located in the same complex. Since a detailed briefing on-site is part of the "tour", no further comment or explanation will be offered here. Again the writer urges all who visit the Big Apple to plan to see this place!

After taking on a full load of containers at the Howland Hook terminal on Staten Island, we proceeded down-channel to the "point of departure" - the Pilot Station at the Ambrose Light Structure. This stilt-supported facility with a helo pad, "lighthouse", radar/comm and computer equipment replaced the old "Ambrose Light" lightship a number of years ago. Again, some of the romance and nostalgia of the sea was taken away from us... in the name of Progress. Immediately after the pilot went away in the launch, we "Took Departure" which is the legal and navigational beginning of the deep-water passage, as opposed to "harbor/river/inshore navigation". Messages were generated, and quickly transmitted to Amagansett radio/WSL via radiotelegraph on 425kHz. This was the old ITT/Mackay Coast Station, closed a number of years ago - another landmark in maritime communications gone in the name of Progress.

This voyage included short calls at Jacksonville, Savannah, Charleston prior to "crossing the pond" to Rotterdam, Felixstowe, LeHavre and return to New York via Boston. A more/less routine voyage so just a few highlights will be mentioned. Coastwise we were plagued by persistent leaks in the sterntube propeller shaft bearing, requiring the services of SCUBA divers on two occasions. On the 27th of June we were called by the S/S SEALAND ECONOMY/WNDJ on 500kHz and exchanged position reports. Later in the day we received another call, this in the form of a radiotelegraph note from the Master of the Economy - passing his regards to your's truly. We had sailed together on a similar run the previous winter. Sparks turned out to be, like the

writer, an ex-FAA man, with mutual friends and similar experiences! Small world, eh? Early on the morning of the 28th the auto-alarm bell sounded off right over my bunk! Awake instantly and in the radioshack within less than one minute to hear: M/V DIEGO/SWGA TAKING WATER 4200N 0928W. The Spanish coast station EAF was in contact with the vessel and several ships were in the vicinity, two at the scene: the Italian vessel ARNUS/IMGL and the Frenchman PRESIDENT DELCOURT/FNBB. At 0226GMT all the crew were reported safe and in good condition aboard the Delcourt, proceeding Bayonne, FR. EAF sent an advisory broadcast shortly later reporting the M/V Diego sunk at 0203GMT. "QUM DE EAF" followed at 0248GMT and your's truly hit the bunk again after providing the mate on watch with full particulars.

Personal highlights of this voyage were visits to Delft, Holland, to Ipswich, England and LeHavre, France - sight-seeing and enjoying the local culinary delights! LeHavre is somewhat unique in that the port is largely in fresh water, behind a series of locks. This is mainly due to the extreme tidal range encountered here which is a major hindrance to cargo handling. In the "lake" however, there is of course no tidal variation and the operation is thus very efficient.

The westbound voyage was without incident, except that the ship's electrician failed to join the vessel prior to departure LeHavre. Since he filled a "non essential" position, we were able to proceed without him. He rejoined on arrival Boston, which was very much out of the ordinary - as on-the-spot firing is the usual action taken for missing the ship! "Sparks" on the other hand, is in the "essential" category. By international agreement, a merchant vessel, at that time, could not proceed on an ocean voyage without a certified radio officer aboard. Recently however, in the name of "Progress", certain exceptions have been made for "coastwise voyages"...

"Tune in" later for further "voyaging"



## Silent Keys

**Gay Milius - W4UG**, former Roanoke Division Director, became a Silent Key on June 7 after a prolonged battle against cancer. Gay had been active in the ARRL Volunteer Service for many years and had the distinction of serving as Director in **two** Divisions. He was Vice Director of the Hudson Division before moving to Virginia and then became Roanoke Division Director, serving from 1982 to 1989. He served on a number of ARRL Board committees, including the Executive Committee, Membership Services Committee Publications Committee, and the DX Advisory Committee. Over the years he received a number of recognitions and awards for his distinguished service. He is survived by his wife, Martha, and three children. Gay will be sorely missed.

**Lawrence Laser - W3CIC**, retired electrical engineer of the U.S. Capitol, died of kidney failure May 13 at the age of 88. Mr. Laser, who lived in Annapolis, worked 55 years for the U.S. Capitol before retiring in 1975. He authored a book about the history of the Capitol's lighting system and chandeliers. He was an Amateur Radio operator and a genealogist. He traced his ancestry back 12 generations to Pocahontas. He is survived by two sons. His wife, Ruth, died in 1985. (Submitted by W3HQX and W3ABAC)

**Mary Dorian - KA3PJZ** - wife of Captain Charles Dorian - W3JPT. Mary became a Silent Key June 14 after several months battle against stomach cancer. After many years of supporting "Chuck" in his various Amateur Radio activities, Mary got her own license in 1976 and became active in the local WAYLARCs and a life member of ARRL. She was very active in St. Columba's Episcopal Church in Washington and taught in the nursery school for many years. She is survived by her husband and five children, having lost a son to cancer several years ago.

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## Congratulations to:

**Hugh Turnbull - W3ABC** on being elected to the grade of **Fellow** in the prestigious Radio Club of America. The Radio Club of America is the oldest radio club in America.

**Richard Skolnik, KB4LCS** on his new book "The Wonderful World of Ham Radio." This book is intended as an introduction for young people. "A lot of people have talked about getting kids involved in Amateur Radio but no one has ever before put together anything like this book for kids." It answers all the questions about what Amateur Radio really is. It emphasizes the challenge and excitement, the public service aspects, and the many varied phases of Amateur Radio. It tells what is required to become a Ham and how and where to get help. It comments on the equipment that is needed and how to set up a station. There are many excellent pictures. It is a fine book to introduce young people to the Amateur Service. Published by MFJ Enterprises, Inc., the book is now available from MFJ for \$7.95.

**Tandy (Radio Shack)** on contributing two Tandy 1000 TL/2 computer systems to the ARRL Maxim Memorial Station, W1AW. Tandy thus joins a list of corporate supporters of the station that includes Andrew Corp., Bencher, Cushcraft, Digital Radio Systems, Hammond Mfg., Harris Corp and ICOM America, Kenwood USA, JFJ and Ten-Tec. Private individuals have also contributed generously to the project and renovation of W1AW is now nearing completion. (ARRL Letter 5/18)

**The Lunch Bunch in Berkeley Springs, West Virginia**, on starting a new club. Meetings are held the first Tuesday of each month at the Appalachian Restaurant. The next meeting will be July 3. All Hams, spouses and other interested persons are invited. For further information, contact Ward Crabill - W3JGK (304) 258-5767.

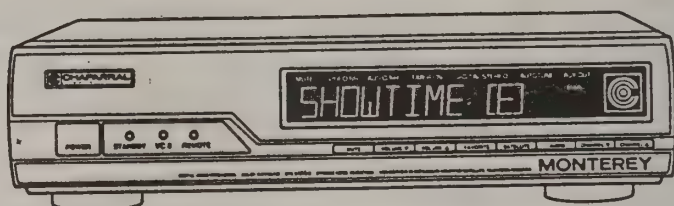
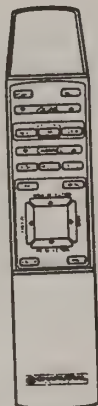


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# Ham of the Month

Alan Fener - N3EHD

It is without a moment's hesitation that I nominate Alan Fener - N3EHD for the Foundation's Ham of the Month. Alan has many virtues and accomplishments, but there is one area in which he has no peer, namely, in his refreshing and energetic enthusiasm for the Amateur Radio service.

Alan is an active member of the Montgomery Amateur Radio Club (MARC), and has served in various officerships and committee chairs over the years. He is a regular contributor to the MARC newsletter. His articles are both humorous and informative, and they usually have the not-so-hidden agenda of encouraging the 2-meter bound to get involved in fun-filled HF activities such as contesting, DX chasing, antenna experimenting, etc. Along with Jeff - KZ3F, Alan has made one of his MARC pet projects the operation of a special event station in conjunction with the annual Gaithersburg (MD) Olde Towne Day. This has proven to be a great vehicle for introducing the public to Amateur Radio, and has also netted several registrants for MARC's novice classes.

It seems that no ham related opportunity ever escapes Alan's notice. During the recent "We the People" WAS program commemorating the 200th anniversary of the U.S. Constitution, most of us were merely plotting a strategy for working all states in the allotted time or perhaps working special "200" club calls in all 50 states. These goals were the least of Alan's worries. He was on the phone to the ARRL and the FCC obtaining a special "200" call sign on behalf of the Maryland Apple Dumpling Radio Amateur Society, a club he helped to start. The result: N200EHD was active from Delaware and Maryland, and it was the only "200" station activated in Washington, D.C.

Alan has a sixth sense for how to show off ham radio at its fun-filled best. Among the many things I discovered he and I have in common, one is serving as leaders of our sons' respective club scout dens. Last year when the "Jamboree on the Air" was announced, I planned to invite my den over to the shack for about an hour to show them the set-up, describe ham radio, and, hopefully, work a few scout stations. N3EHD was aghast at my lack of imagination. He maintained that scouting had to do with being outdoors, doing things like climbing trees and stringing wire antennas. At Alan's urging, I expanded my plans to include an entire afternoon at a local park with my whole den and any family members they chose to bring along. Alan was also in attendance with a couple of cubs from his den. In addition to a hot-dog cookout and a rip-roaring kick ball game, we managed to string a wire antenna high enough and pump enough battery powered RF into it to make several contacts, including a QSO with another club scout den in Thunder Bay, Canada. You and I know that Thunder Bay is only in Ontario - an easy chip shot on 40-meters - but to the cubs and their non-ham parents, this was exciting DX. The outing was a great success for both scouting and ham radio, but I would not even have attempted it were it not for the contagious enthusiasm and support of N3EHD.

In addition to numerous other activities of the ilk described above, his career as an attorney with the National Labor Relations Board, and his duties as a husband and father of two, Alan still finds time for his first love - chasing DX. A member of the National Capitol DX Society, he has already worked in excess of 280 countries and has most of those confirmed. What is impressive about this is that he does not have a big gun station. He has built his impressive country total with wits, not watts.

There is much more I could write, but I think this is enough to make my point. I nominate N3EHD because our hobby does not have a more effective good will ambassador. Alan is "November Three Every Ham's Delegate."

Submitted by Bob Keller - KY3R.



# NASA/Goddard Amateur Radio Club

Meetings: 3rd Wednesday  
Mailing: P.O. Box 86, Greenbelt, MD 20770  
Information: Vikki Gigante, KA3PVS (301) 249-2609 or  
Chuck Sommer, N4OSD at (301) 286-8169

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Currently, the club is preparing for the Astro & SAREX II Mission, which is a ten day, 24-hour a day mission. Shuttle retransmissions will be provided by the club for the duration of the flight. In addition, the club will participate in the SAREX II contacts by being one of the lead contact points for SAREX events. Ron Parise - WA4SIR will be on board the Shuttle for this mission and has a full slate of schools that he will be attempting to contact throughout the mission. WA3NAN will provide rebroadcast of these contacts at they occur.

GARC is also the official, exclusive distributor of the SAREX II

Recently, elections were held for GARC for 1990-1991 officers. The new officers are:

President: Charles Sommer - N4OSD  
Vice Pres: Vikki Gigante - KA3PVS  
Secretary: Jeff Nucciarone - N2BSS  
Treasurer: Ken Hershey - KA1HJP

The club has also been putting on presentations concerning both Amateur Radio and Shuttle Retransmission at several schools in the area. The response from the students has been wonderful, with great questions and lots of enthusiasm. Hopefully, one or two future hams will emerge from this initial exposure.

T-Shirt. The club is offering these T-Shirts to defray the costs of Shuttle retransmissions. The T-Shirts are \$15.00 plus \$2.00 postage and handling. Hopefully, this will help us keep Shuttle Retransmission on the air since much of our equipment is aging and in need of major repair and/or replacement.

The next non-DOD mission which GARC will retransmit is currently scheduled for mid-August. The next SAREX mission is currently scheduled for November, 1990. We will also be selling T-Shirts for this mission with Ken Cameron aboard.

If anyone wishes to become an associate member of the club or has any questions concerning Shuttle Retransmission or other aspects of the Goddard Amateur Radio Club, please contact Chuck Sommer at (301) 286-8169 or Vikki Gigante (301) 249-2609

Vikki - KA3PVS

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## What's in a Call Sign

Last month's World Radio had an interesting piece about an elderly ham out in California who apparently suffered a stroke, and as a result, had a significant loss of memory. He no longer recognized his family physician, whom he had known for years - he couldn't even remember his wife's name. But when asked what his Amateur call sign was, he immediately rattled it off - phonetically, no less!

(Via RARS Exciter)

Another astounding display of Amateur retention was demonstrated by W7QGP a few years ago when she experienced a severe stroke. Words just came out in a jumble and she was totally unable to communicate. But when her husband brought in a code practice oscillator, she keyed out perfect sentences. With this encouragement, Mary made rapid improvement and was soon fully recovered.



# Metrovision

## FAST SCAN - COLOR - ATV

Meetings: Quarterly: Call for next meeting time and place.  
Repeater: WA9GVK/4 (Video and Audio) 425-431 MHz in; 438-444 MHz out  
Also accessible on 144.970, simplex, audio.  
On-the-air: Sundays at 8:00 p.m.  
Mailing: Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041  
Information: Dick - WB3EPX (301) 439-8135  
Gene - AD3F (301) 774-5307

The annual Metrovision picnic will be held at the QTH of Ed Bruns - W3EKT in Glenwood, Maryland on Sunday, July 1 between the hours of 2:00 and 6:00 p.m. We hope we have a good turnout from our membership and friends. A separate flyer and map will have been sent out by now, showing the directions to Ed's QTH. Please attend and enjoy the fellowship and good food.

We send our congratulations to Luanne and Robert Wright on the birth of their first child, Robert Eugene Wright, Jr., on April 29. Our congratulations, also, to Skeeter - WA3UDY and his XYL on this, the birth of their first grandchild.

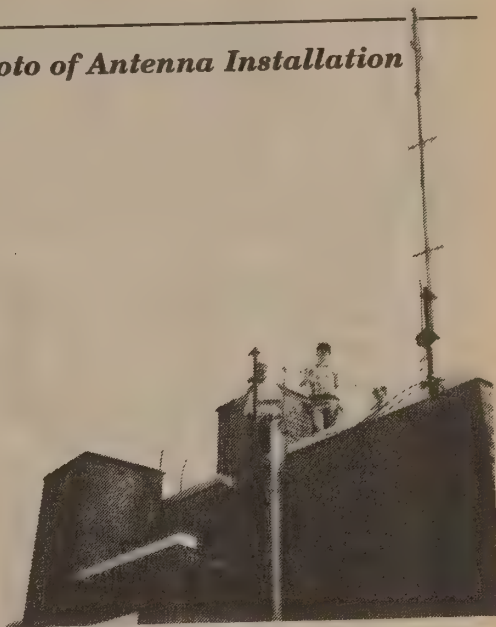
The new Celware 900 MHz antenna was installed at the repeater site on Saturday, May 19. The quality of the video from the 900 MHz transmitter is very good indeed. Those Metrovision members that participated in the antenna raising include the following: Bruce - WA9GVK, Sandy - WB5MMB, Lee - N4LXI, Walt - N3GOE, Ken - W3DFS, and Warren - N4MWU. We want to thank Bernie - WD4O for storing the antenna in his garage.



*View from Antenna Site*

*(Photos by Walt - N3GOE)*

### *Photo of Antenna Installation*



The Metrovision 400 MHz repeater now has sub-carrier audio in addition to the usual on-carrier audio. This fact should give you more flexibility as to the type of ATV transmitting equipment you purchase in the future.

While the number of check-ins to the Sunday night ATV net remains about the same, we would like to see and hear from those of you who haven't been able to check in for awhile. Please try and make an effort to do so, as you are very much missed.

We at Metrovision hope you enjoyed your first issue of the new newsletter. We can certainly promise that future issues will be just as enlightening as the first. Please don't forget to submit your articles to Lee - N4LXI.

See you on ATV.

Dick - WB3EPX



# Columbia Amateur Radio Association

**Meetings:** Fourth Tuesday of each month, @ 7:30 p.m.  
Howard County Emergency Operations Center (EOC),  
Howard Building, Ellicott City MD.

**Repeaters:** 147.735/147.135 Mhz, - General Conversation  
147.990/147.390 Mhz, - Open Autopatch  
222.340/223.940 Mhz, - Crosslinked to 147.135 Mhz

**Packet:** TCP/IP connections VIA the Howard County EOC on 145.55 Mhz.  
Mail may be addressed to CARA @ NB3P on 145.09 Mhz.

**Nets:** ARES, 1st. & 3rd. Tuesdays, @ 7:30 p.m.  
CARA, Tuesdays (except meetings nights), @ 8:30 p.m.  
(All Nets Meet on 147.135 Mhz, unless otherwise posted.)

**Mailing:** CARA, P.O. Box 911, Columbia, Maryland 21044

**Information:** CARA Hotline - (301) 997-5052

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Congratulations to Ed Wallace-K3EF.  
As of June 1, Ed assumed the responsibilities of the Howard County EC. We know Ed's experience and commitment to RACES/ARES will serve the county well. I hope all CARA members will take the time to help him and make Howard County ARES/RACES succeed and grow. A wise man once told me, "It's not what you have done for me in the past, but what you are doing now and will do in the future. That is how people, clubs and organizations grow and prosper." We wish Ed good luck as EC and look forward to his efforts.

## Howard County RACES/ARES

On May 20th, Howard County RACES/ARES members provided radio communications for the Columbia Triathlon. With the exception of a few people who were pulled out of the water, all went well making the race a success. We thank all who attended and appreciate your help.

## Club News

The next scheduled CARA club activity, outside of our monthly meeting, is the August Pool party. Please remember this event is upcoming, and keep your calendars open. More specific information will be available on the CARA weekly net. See above for time and frequency information pertaining to the weekly CARA net.

## Club Meeting Information

The June and July club meetings are scheduled for the 26th of June and the 24th of July. The presentation, by Ralph-N3FWX, is entitled "PC's & DOS for the Computer Illiterate." The June meeting will discuss Hardware and July's meeting will discuss software. If you know of someone who has a fear of your computer or you are trying to interest someone in Ham Radio bring them.

Both meetings are scheduled to be held in the EOC of the Howard Building, Ellicott City Maryland at 7:30 p.m.. All CARA meetings are open to the general public and non-amateur radio operators are encouraged to attend. Listen to the 147.735/147.135 repeater or call the CARA Hotline at (301) 997-5052 for more up-to-date information. Talk-in information is always available on the 147.735/147.135 repeater right before the meeting. See you at the meeting.

Bill - N3HTJ





# Department of State ARC

Meetings: Monthly, first working Monday at 1200 Noon.  
Room 3524, Main State Department Bldg, Washington, DC  
Prior arrangement needed for access.  
Foreign Service Net: Sunday, 1500/1530/1600Z, 14.316/21.416/28.416 MHJz  
Repeater: W3DOS/R 145.19 MHz Round Table: Thursday, 2030L

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## W3DOS BANQUET

### KK4HD SPEAKS ON WORLD BANK AMATEUR RADIO CLUB (4U1WB)

The Department of State Amateur Radio Club held its eleventh annual banquet on Thursday, 24 May 1990, at the Fort Myer Officers' Club, Arlington, Virginia. The 30 in attendance included WA1LBP, W3EVD, KD3LT, KA3OLR, KG3R, W3SWD, KC3UU, K3ZO, W4ACN, KK4HD, W4HU, WB4J, W4JT, W4KM, KB4LCS, W4MLR, W5DRP, WA5SPI, and WA6YOU.

Walt La Fleur, W3EVD, VOA's Director of Engineering, greeted the club on behalf of the Voice of America Amateur Radio Club (K3EKA), whose list of active members had grown significantly over the past year and which was about to purchase and install HF equipment. He thanked John Swafford, W4HU, for serving as Net Control of the Foreign Service Net, which was a morale boost to VOA hams who checked in from remote relay stations, and for assisting in connection with the current civil disturbances in Liberia.

Jane Dorset, KG3R, secretary-treasurer and past president of the Department of State ARC, described highlights in club activities, including acquisition of equipment, during the past year. She mentioned the last summer's transfer to Frankfurt/Main of Brad Rohrer, K1CTK, former banquet "MC," and the imminent transfer to Kinshasa of club president Bill Harrison, KK4XO.

Jane gave a special greeting to Hersh Miller, W3SWD, a founding member of the club who served as Treasurer for a number of years. She presented Gene Miller, KD3LT, and Richard Skolnik, KB4LCS, both staff members of the International Bank for Reconstruction and Development (the World Bank) and asked Richard to present the main speaker.

Richard Skolnik, KB4LCS, founder and first president of the World Bank Amateur Radio Club, circulated an advance copy of his book, "The Wonderful World of Ham Radio - An Introduction for Young People," pointing out that it contained a number of stories involving Amateurs from the Washington DC area. He then introduced the main speaker, Paul van der Eijk, KK4HD, of The Netherlands, the current president of the World Bank Amateur Radio Club (4U1WB).

Paul van der Eijk, KK4HD, began with a brief mention of the Bank's history (founded at Bretton Woods NH in 1944, began operation at Washington DC in 1946) and purpose (originally economic recovery in post-World War II Europe, with emphasis shifting over the years to economic growth in developing countries).

Paul described efforts, beginning in 1985 after the Mexico City earthquake, to set up an Amateur Radio club at the Bank, followed by years-long attempts to obtain a callsign for its club station from the call sign series allocated to the United Nations (with which the World Bank is affiliated) by the International Telecommunication Union. The World Bank ARC and its callsign 4U1WB are the results of these efforts.

As his final topic, Paul stressed the importance, from his club's point of view, of emergency communications. He gave a colorful description, based on a personal experience during the "Hugo" hurricane of 1989, of how not to behave during emergencies: He was first ignored, then rebuffed, by net operators too busy congratulating each other on their services during "Hugo" to pass welfare-whereabouts traffic to the US Virgin Islands.

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# Capital City Amateur Radio Society

**Meetings:** Third Saturday of every month at 1300 local  
Woodridge Public Library Conference room  
18th & Rhode Island Avenues, N.E., Washington, D.C.  
Visitors welcome

**Repeater:** W3EIL, 144.51/145.11 MHz - Open repeater

**Nets:** Wednesday night at 20000 local  
Thursdays Packet Net at 2000 local  
RTTY net at 2100 local. All are welcome

**Mailing Address:** CCARS, 1719 Franklin Street N.E., Washington, D.C. 20018

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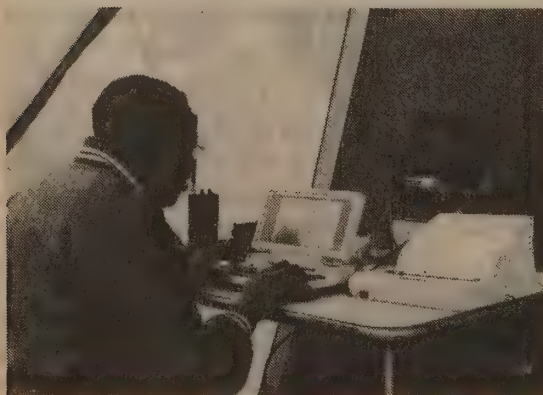
Every five years the Boy Scouts of America from Maryland, Virginia, and the District of Columbia come together to put on a Scout Show of their activities and accomplishments. This year the combined show, organized by the National Capital Area Council, was held on May 19th on the Mall close to the Washington Monument. The slogan for this year's event was "*Scouting on the Mall - Eighty Years going Strong.*"

For the past three years CCARS has participated in the District of Columbia Scout Shows by setting up exhibition stations demonstrating Amateur Radio in action. This year, for the combined event, stations were set up within the Scouting area on the Mall to demonstrate High Frequency voice and 2-meter Packet communications.

Photo at right shows the CCARS station and relief operators Harold Hammock - N3DTZ and Daniel Bradford - W3OXY.



***CCARS Station on The Mall***



***Ernest Stephens - W3ETX  
Operating 2-Meter Packet Radio***



***Leo Boberschmidt - KA3TGY  
Demonstrating HF Voice to Young Fan.***

*Photos by K4EUX*



## Woodbridge Wireless, Inc

**Meetings:** 3rd Tuesday of each month, at 7:30 p.m.  
Tall Oaks Community Center, Lake Ridge.  
Intersection of Hedges Run Drive and Cotton Mill Drive.

**Repeater:** WB4FQR/R 147.84/24 and 449.9/444.9  
WB4GJZ/R 223.18/78

**Nets:** Mondays, 8:00 p.m. local (0100 UTC) 147.84/24, 223.18/224/78  
(the repeaters are linked for the net.)  
Wednesdays, Slow CW at 8:00 p.m., 21.164 MHz  
Saturdays at 9:00 p.m. - in new 10 Meter Novice band, 28.460 MHz SSB

**Mailing Address:** P.O. Box 112, Woodbridge, VA 22194

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The May meeting featured hands-on training using the Commodore and IBM based logging program the club uses for Field Day. 'Sure makes the duping and reporting easy. As always the WWI Field Day credo is to have fun, score a lot of points and be safe!

The test session was a success for those who gave it. Thanks to Jack (K4HWG), Tim (AF2T), Larry (K0LB), Ron (KU7V), Bill (AA4MT), Loyd (K8EI),

John (WB4GJZ), Jack (WD4KOF) and Ed (N4LJZ) for making the session go. Yer reporter was team liaison. The ARRL sent notice all test materials were received and all was OK! For you who have never conducted a test session, you're missing out on a rewarding part of hamming. We had 12 upgrades to Tech, 2 to Advanced and 2 to Extra! Some were recent grads of the WWI Novice/Tech class. Way to go team! (Continued on page 36)

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## Prince George's Wireless Association

**Meetings:** First working Tuesday of each month at 7:30 p.m.  
American Red Cross Service Building, 6206 Belcrest Road  
Hyattsville, MD.

**Club Station:** W3CEZ, VHF and HF equipment

**Mailing Address:** 4109 Kennedy Street, Hyattsville, MD 20782

**Information:** Frank Holton, WA3ZMW (301) 927-1245

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Three new club members met at the club station on May 4 and received hands-on instruction in the operation of the 2-meter base station equipment utilized for emergency communications.

On May 6th PGWA provided VHF communications for a Walk-For-Hunger sponsored by the Christian Rural Overseas Project (CROP). There were three mobile units along the walk routes

and a mobile unit acting as the net control station. The event commenced at 1:00 p.m. and ended at 4:15 p.m. A non-club member, Glenn - KA3ZD, was a walker and frequently reported on-site conditions while traversing the 10KM route. Club members who participated were: Frank - WA3ZMW. Bill - KA3WAF. John - WB3FUL, Tung - KA3VQC and Hersh - W3SWD.

(Continued on page 37)

# Metropolitan Communications Network

Representing Six Meters in the Greater National Capital Area

Meetings: Quarterly, on the second Sunday of the month;  
Time and place to be announced.  
Repeater: N3AGB/R, 52.250 MHz in - 53.250 MHz out  
On-The-Air: Saturdays at 20:00 hours EDST  
Mailing: Bob Sporn - WA3GGO, 9927 Cottrell Terrace, Silver Spring, MD 20903  
Information: Bob Sporn - WA3GGO (301) 434-1719

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Due to extenuating circumstances, there has been a temporary delay by our Technical Committee on completing arrangements for our club to have 2-meter facilities.

Bob Milligan - KI4MB was at the Dayton Hamvention. At the June meeting we will learn what goodies he acquired. Some other members were at the Hamvention, also.

## THE SUNDAY MORNING COFFEE NET (50.4 MHz) AM, AT 9:00 Hours

Net attendance has been very erratic; we don't know whether it is due to the Hamvention, or to local hamfests but we hope it will improve in the next few weeks. During the third week in May, Stanley Brigham - W3TFA worked his 37th country (Japan) on six meters.

MARYLAND FREESTATE SIX METER SIDEBAND NET (50.125 Mhz) SUNDAYS AT 19:00 Hours. Now that the net is back in operation, check-ins has been increasing. Join us.

Bob - WA3GGO

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## Woodbridge Wireless -Continued

Joe, W4ADM, and Dean, WB4EIY coordinated communications for the 9 June Occaquan invitational sponsored by the Middle Atlantic States Rowing Association. These hams who rowed can always use a hand so if you want to work maritime mobile for a worthy cause, give Joe or Dean a call on 147.24, the WWI repeater.

The Saturday morning airwaves on 2 meters are alive with the exchanges of Don, K4NGC and OP, KF4TE as they try to get the club TCP/IP node going. Don is discovering the frustrations of the Unix operating system. Although there's nothing up permanently yet, several club members have experimented with the new (to us) protocols with some success. We're still trying to figure out the mail program and we're not ready to give up AX.25 packet yet.

Congratulations to N4OML and KJ4LR (Deborah and Graig Moseley) who are the proud parents of a new son, Graig, Jr. Congratulations to the Moseleys. They are still in PY land.

That's all for this month. Best to you all from the land of the Washington area's only professional baseball team (the Prince William Cannons). Maybe we'll work you grandstand mobile some day (the fans really rock 'em).

Jim, WJ4M



# Vienna Wireless Society

25 Years of Public Service

Meetings: 2nd and 4th Fridays of each month, 7:30 p.m.  
Vienna Community Center, 120 Cherry Street, Vienna, VA  
Repeaters: K4HTA/R 146.085 in/146.685 out  
222.340 in/223.940 out, 448.250 in/443.250 out  
Nets: Every Thursday at 7:30 p.m. on 146.085 in and 146.685 out.  
Pow-Wow Net Every Night at 9:00 p.m. at 28.400 MHz  
Information: Brian Treadwell, WV4V (703) 938-1442 (H), (202) 457-7179 (O)  
Training Classes: Paul Wilkins, AB4CY (703) 560-2779  
Mailing Address: P.O. Box 418, Vienna, VA 22183

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Several club members made presentations and arranged displays at the Community Center and the Patrick Henry Library in connection with the Town of Vienna's centennial celebration. We also provided communications along the parade route for the Volunteer Fireman's Memorial Day Parade which braved the rain.

Training classes were completed with seventeen new licenses and upgrades in hand. It was our best class session yet. Members will get another chance to go for upgrade when the fall class sessions begin in September.

The club's regular nets are doing well with an average of a dozen check-ins each session. Occasionally, we pick up a Maine, Arizona, or Brazilian check-in

when the band is open. That always brings a round of Ten-Ten exchanges.

The big effort the next few months will be a repeater enhancement-upgrade project. CONTEL Company graciously extended an invitation to locate a repeater on their new building just off Route 28, near Dulles airport. The plan is to place a 440 machine there and link it to the club existing two meter repeater located in the town of Vienna. This will increase coverage west to the mountains and north and south into adjacent counties. This will cover the area undergoing development in western Fairfax and eastern Loudin and Fauquier, along with northern Prince William counties.

Paul - AB4CY

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## Prince Georges Wireless Assn. - Continued

W3SWD attended a conference, on May 16th, conducted by the ARC Disaster Services Operations of PG County. The conference brought together representatives from various committees engaged in mass feeding, housing, nursing, transportation, site damage assessment, and communications.

Congratulations to Vincent Burgher - KA3UVW who upgraded to General Class; he is waiting for a new call-sign.

KA3VQC purchased his first 2-meter handheld. He plans to go to California the first week in June and he hopes to utilize CA repeaters while traveling within the state.

Kenny - N3HLY received a very unusual printed QSL card from N4XTP. The card design was labeled "Generic." It had, on the side that contains QSO information, an oversized UPC bar code with the word "Generic" in dot matrix form.

Hersh ("Dan") Miller - W3SWD

## Fauquier Amateur Radio Club

**Meetings:** Second Tuesday of each month, 7:30 p.m.  
Shadow Lawn Center, Warrenton, Virginia  
**Repeaters:** 147.165 Voice, 145.070 Packet  
**Net:** Each Wednesday, 9:00 p.m., 147.165  
**Information:** Bob Taylor, KC4CVG. (703) 439-2786 (H)  
(703) 642-6070 (Work)  
**Mail Address:** Route 1, Box 445, Amissville, Virginia 22002

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The May meeting of the Fauquier Amateur Radio Club was held at the Shadow Lawn Center in Warrenton, VA. The evening's program was conducted by Frank Ross - W4NHJ, the club's ARRL Field Day Coordinator. Frank presented the plan for the 1990 Field Day contest. The club planned to operate from Vint Hill Farm Station.

Congratulations are extended to Neil Spokes - KC4QWI, a new club member who went from Novice to Extra class license within a one month time period.

John Henning - KC5SJ has departed for a two year assignment in the Sudan.

John has been active in club activities over the past year. Club members who are avid DXers will be looking forward to contacting him from Africa.

Tony Walker - N4YUI has received his new Technician/General class call sign.

Bill Moneysmith - W4NFR and John Henning - KC9SJ spent Memorial Day at the club repeater site performing annual maintenance on the 2-meter repeater. The intermod problem was corrected with a total system alignment and addition of a filter on the receiver. The effort expended is greatly appreciated by all who use the repeater.

Bill Mills - KC5PF

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## Mt. Vernon Amateur Radio Club

**Meetings:** Second Thursday of Each Month, 7:30 p.m.  
Mt. Vernon Governmental Center, 2511 Parkers Ln., Alexandria  
**Repeater:** WD4PDP/R 146.055 input 146.655 output  
**Nets:** Every Tuesday at 8:00 pm (0100 UTC Wednesday's)  
Starts on 2-meter then moves to 10-meter on 28.405  
**Information:** Chris Morrow, W4WYL (703)765-5964  
**Training Classes:** John Forrest, NZ4A (703) 971-3905  
**Mailing Address:** c/o Chris Morrow, W4WYL, 7408 Recard Ln., Alexandria, VA 22307

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Our program for May was a visit to the Fairfax County Emergency Operations Center in Fairfax. Particular thanks go to Assistant Commander Sam Keys, STC Vince Wang and Officer Macmillan. We were treated to a explanation of each part of the center and a demonstration of the Police Department's in-car video and radio system. It was an impressive presentation and we greatly appreciate the time and effort of the Center's

employees. The arrangements for this visit were made on very short notice - we sincerely hope that no one went to the regular meeting place and wondered what happened to the meeting!

Even though the meeting was unusual (because it wasn't at our normal location), we got to WELCOME two new members - Dan S. Gilliam (no call yet) and Bob Lewis N4SCK. WELCOME, to our club.

(Continued on page 39)



## Anne Arundel Radio Club

**Meetings:** 1st and 3rd Thursdays at 8:00 p.m.  
Davidsonville Family Recreation Center, Queen Anne Bridge &  
Wayson Roads off MD Rt. 214 near Annapolis.

**On-the-air:** Thursdays when there is no club meeting. 2030 Local on 147.705/105  
Tuesdays at 2030 local time on 28.410.  
W3VPR Packet Bulletin Board on 145.09 MHz.  
W3VPR Packet Bulletin Board on 223.40 MHz

**Chesapeake Bay Weather & Traffic Net** on 147.705/105 at 1100 and 1500 every weekend  
and public holiday from April 1 to November 15

**Address:** P.O. Box 308, Davidsonville, MD 21035

**Information:** Margaret (Holly) Bevan - N3BMB (301) 923-0229

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On Saturday May 12, Nancy - NT3Z and Dean Alley - NS3V held a License Exam session for the first time at the Anne Arundel Radio Club clubhouse. The turnout was very encouraging. Eighteen persons took thirty-seven exams. As of now, the Alleys plan to give exams (Laurel VEC) at AARC on the second Saturday of every other month at 1:00 p.m. (Registration at 12:00 Noon.) The next session is scheduled for July 14.

Even though the guest speaker for the May program had to cancel, there were two very interesting and timely

presentations by club members in his stead. Programs Coordinator Ike Lawton - W2EOS assembled, on the spot, a working computer system, using parts he had bought at hamfests for unbelievably low prices. President David Walter - N3BFO discussed and displayed three versions of a J-Pole antenna. Both demonstrations were obviously enjoyed by those present.

Coordinator John Cochran - KC3YS reported that on May 5th a group of energetic club members swept, vacuumed,  
(Continued on page 40)

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## Mt. Vernon Amateur Radio Club - Continued

We also had six visitors who signed in: Dan Gropper KC4OCG, Shawn Dilles (no call), Simon and Amanda Van Dyk (son and daughter of Dick KK4AY), Gerd Buchsteiner DF3WW/W4, and Jack Ryvicker WA4CQV. Carolyn Bookout KB4EDU also joined us. Thank you all for spending some time with us and please join us again!

In May, MVARC hams spent some time with the Boy Scouts on the Washington Monument grounds on the 12th. THANKS to Steve WB4EEA and Bob NX3F for your efforts.

Now, the turnout. It was great again, but I'm not absolutely convinced that everyone present checked off their name on the list. We were split into two groups for the discussion about the emergency center and I don't know if people arriving while I was out of the "waiting room" ever saw the sign-in sheets. The total on my list was 40.

July's meeting will be a nice way to end the long hot day. Steve is trying to bring in a speaker from EPA to discuss the issue of high-power line electromagnetic forces...see you on the 12th!

Marci, KM4VM

# Pentagon Amateur Radio Club

Meetings: Monthly, on the second Wednesday of the month. Noon.  
PARC clubroom (5B272), The Pentagon  
Repeater: K4AF/R, 444.55 MHz. CTCSS 88.5 sometimes in effect.  
Packet: 145.07, Digi - K4AF, Mailbox - PARC, Node - PNTAGN.  
Nets: Wednesdays, 8:00 p.m. 3.71 mHz (13 wpm);  
Sundays, 8:00 p.m., 3.54 mHz (20 wpm)  
Mailing: P.O. Box 47063, Washington, DC 20050  
Information: David G. Boyd - K9MX (202) 695-2020 or (703) 659-6241 or  
William Klein - N4VBW (202) 693-3358 or (703) 590-2546

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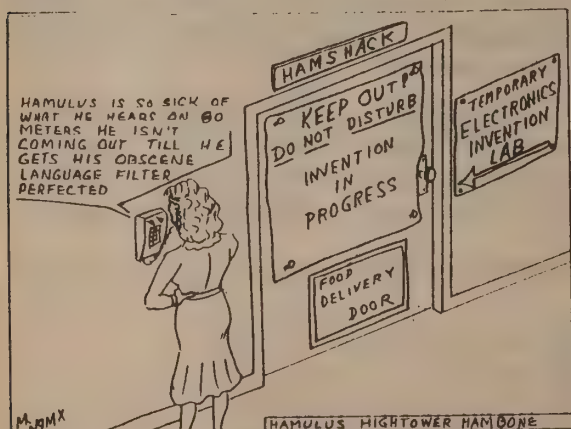
Dick Smith - W4HMY is finally on packet. He claims to have a bit of trouble figuring out all the commands, but he is at least on the air. So if you have any messages to send him - or any good lawyer jokes (but keep 'em clean) - either send direct or put them in our 145.03 PBBS at K4AF.

Thanks in large measure to Gene Smith - KA5NLY Armed Forces Day was a smashing success, with nearly 400 QSOs. Gene even made a special point to take care of the QRP operators. Control operators at K4AF were Gene - KA5NLY (most of the time), Bob Bonn - N4YZU, and Spike - K9MX.

If you haven't visited the shack in a while, you should. Bob Bonn has really changed its appearance, and all for the better. He also has funds now to update the club library and is working diligently to select the most useful publications.

We have the funds in hand now for our new HF rig and hope to be installing a Yaesu FT-100 in just a few weeks. We'll put out the word when it arrives so everyone will have a chance to come up and try it out.

Spike - K9MX



## Anne Arundel Radio Club - Continued

stripped, mopped, sealed, and buffed the floor of the main room of the AARC quarters and vacuumed the shack. Others mowed the grass, repaired the trailer, and tackled other projects that had to be done. They accomplished an amazing amount of work in one day.

As a result of the recent Novice class, there are 23 persons awaiting their calls. At least four of them have upgraded to Technician while waiting. One has already passed his General test. Several others, who were forced by circumstances to drop out of the class, have stated their intentions of studying toward testing by the end of the summer.

Recent upgrades include: Bob Israel - KB3SY to Extra, Debbie Rogers - KA3TDD and Gordon Davids - (awaiting call) to General; and Gail Vanovitch - KA3VHG, Wanda Jeter - KA3URN and Lewis Hendrixson - (awaiting call) to Technician. Jesse Buckwalter - ex KD3RO is now NZ3F, and Morris Blum - (formerly N3FYJ) now answers to NY3L.

Holly - N3BMB



## Rock Creek Amateur Radio Assn.

Two Meter Net: FM 144.65/145.25 Mondays 8:00 p.m.  
RCARA Alumni Net: 7.23 MHz, Mondays 11:00 a.m.  
RCARA LUNCHEON: Wednesdays, 11:15 a.m., Anchor Inn, Wheaton, MD  
Meetings: 7:30 p.m. the third Friday of each month at Vitro Labs  
Mailing Address: P.O. Box 1913, Silver Spring, MD 20902

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May found the club providing a Public Service through communication support at many events. Starting with the May 5th Youth Policy Institute Challenge Walk along the C&O Canal; Walt - AK3B \*was able to act as Net Control through the "borrowed use" of Repeaters K4IWF and WA4TXE - special thanks to respective Trustees. Assisting at various times during the dawn to dusk session were: N3ARD, KZ3Z, KA3TGY, KA3CXK, KA3GSV, NA3R, N3ETD, NB3C, NQ3V, NU3P.

The May Multiple Sclerosis Society MS-150 Bike Tour with 2000 riders was next in line. Walt - AK3B, Larry - KA3BAL, and Ed - KA3RWX started on the 18th by assisting with the technical

preparations. Walt and Larry were communication contacts on the 19th for the multitude of Amateur Radio operators used in the overall effort; Ed spent the 19th and 20th to "tail sweep" the riders and simultaneously maintain communications with the entire field. (Not to forget Mike = KA3GSV and Homer - W3XR who acted as point contacts on Saturday the 19th.)

Wrapping up this Public Service series was the Rockville Memorial Day Parade on May 28th, with its success in great measure due to the efforts of the following: Walt - AK3B, Ken - KD3BT, Bob - N3EWG, Mike - AJ3Q, Ed - KA3RWX, Leo - KA3TGY, and Homer - W3XR.

(Continued on page 43)

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## Laurel Amateur Radio Club

### A Volunteer Examiner Coordinator

Meetings: 4th Wednesday of each month, 8:00 p.m. at Capitol College on Springfield Road, Laurel.  
Social: 2nd Wednesday of each month except December.  
Nets: 1st & 3rd (5th) Wednesday of each month, 8:30 p.m. on 147.54  
Mail: P.O. Box 3039, Laurel, MD 20709-0039  
Exams: 4th Saturday of each month, 10:00 a.m. at Maryland Radio Center.  
Information: John - W3GFS (301) 490-5286 or Pud - W3DQI (301) 498-6293

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The Laurel Amateur Radio Club is active in the Laurel area, which we think generically includes most of Northern PG County, as well as surrounding areas. All Amateurs in "our neighborhood" are welcome to participate in LARC activities.

May was a very active month for LARC. On Sunday, May 6, we put up our booth at the Montpelier Springfest.

We took some traffic for as far away as Australia. The thing that got the most attention, though, was the speaker system we had hooked to our HF rig. Visitors could plainly hear both ends of our 40-meter QSO, and the hams at the other end really laid it on when they were asked home-town questions. Very good attention getter, we found.

(Continued on page 42)

## **M A D R A S**

### **The Maryland Apple Dumpling Radio Amateur Society Inc.**

**Meetings:** 2nd and 4th Wednesday of the Month - 7:30 p.m.  
At the NBC Building, 4001 Nebraska Avenue, N.W.  
**Repeater Pairs:** KC3NG/R, 444.100/449.100 MHz 145.45/144.85 MHz  
BBS (301) 258-1954 Toll free Washington Metro Area  
**Mailing:** P.O. Box 2468, Wheaton, MD 20902  
**Information:** Scott Standiford, W3YTW (301) 589-9321

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#### **Schedule of Events**

- July 4** Public Service Event. MADRAS supports the City of Rockville in supplying communications for its fire-works display. If you would like to help, contact Jon - KA3OVK at (301) 258-1180
- July 11** Regular meeting at NBC, 4001 Nebraska Avenue, N.W., WKYS-FM Conference Room.
- July 15** That elusive fox is back once again for the July hunt. Where will he or she be . . . bask in the fame if you wish. You will regret not trying.  
The Hunt 1:00 - 4:30 p.m. Somewhere . . . Pizza and fox tales 4:30 - 6:00 p.m.

Thank you one and all for your help in making Field Day a success! Coming soon, our new 440 repeater. If you'd like to help, call Larry at 530-8646 or Scott at 589-9321.

Scott - W3YTW

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### **Laurel Amateur Radio Club - Continued**

On May 19 we set up our booth at the Laurel Main Street Festival, where a crowd estimated at about 100,000 folks visited the 420-plus booths. In the morning, LARC provided communication support to the Festival and the parade. Afterwards, we helped their information booth and passed out info on ham radio.

On Sunday, May 20, a few stalwart souls went to a horse farm in Mt. Airy and communicated around the course for an equestrian team marathon. There were two instances where the horse and/or carriage tipped over and rolled into the woods. Ham radio had the doctor and veterinarian there within minutes. A very exciting and worthwhile event for our club, and good PR for the hobby.

Current plans for Field Day have us at our usual site at the Rocky Gorge Dam at I-95 and Brooklyn Bridge Road. Visitors are always welcome. We are also planning a special event on Sky Line Drive in FM-08, in August, featuring VHF/UHF, but at least one HF station, too. More info on this later.

For information on local club events, give a call to John or Pud (listed above) or drop a note to the club address. Of, if you suffer from insomnia, give a shout on the club frequency of 147.54 any night after 9:00 p.m., and add some social grace to the cacophony which is (sometimes) present!

Pud - W3DQI



# Stafford Area Repeater Association

**Meetings:** Weekly, 0730 a.m. every Saturday morning. at the "Nothin Fancy" Cafe on Route 1. All meetings are informal.  
**Repeater:** N4SMP/R 145.27 out 144.67 in. Autopatch for members.  
**Mailing:** c/o George Gautney - N4SMP, 9 Skyview Court, Stafford, VA 22554-5232  
**Information:** Dick Kirby - W4GFB (703) 720-0406 or George Gautney - N4SMP (703) 659-5720  
**Packet:** 145.07, W4GFB-2

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Our sympathies to N4SMP and WA4CMD, both of whom lost their mothers this month.

N4PVC now knows why hinged towers should not be set in sand bases. His tower went up and his tower came down. He is now well qualified to discuss the fine points of tower base construction!

And while you're asking about tower bases, contact AA4PB for a discussion on the fine points of trying to raise a crank-up tower if you forget to untie the top section while it's down for maintenance. Anyway, he has now replaced his hinge section and installed a new beam. That also means he has a fine 40-meter beam available at a very good price for anyone with a home for it. N4SMP's tower went up somewhat more easily.

N6CFR has been moving around with a pronounced list lately - something

about a bad disk or pulled muscle. That hasn't stopped him from working on his fabulous model railroad, though, which now has some six or seven hundred feet of track. It's been under construction since 1984 and is a long standing member of the Vienna Model Railroad Club.

N4TLZ got himself a new work bench at Hechinger's. That wouldn't be noteworthy except that it's a six foot bench and he somehow worked it into a two foot closet!

AA4PB, W4GFB and a few other SARA members have been putting on well-received demonstrations of Amateur Radio at the Garrisonville Elementary School to help the school's fledgling Amateur Radio club. If you have time to volunteer, contact AA4PB or W4GFB. They can use your help.

Spike - K9MX

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## Rock Creek Amateur Radio Assn. - Continued

Nick Smith - W3NFU attended the May 5th meeting of the Antique Wireless Association (AWA) held in Holcomb, NY. Nick's interest in electrical communications was inherited from his pharmacist father who experimented with wired telegraphy. The son pursued the electron as a livelihood and hobby, receiving his engineering degree in 1931 and ham license in 1933. Attendant to the meeting, Nick made one of his many equipment donations to the AWA Radio and Communications Museum, near Holcomb, N.Y. He recommends a trip to the Museum for reminiscence and to enjoy the beautiful surrounding countryside.

Congratulations to Leo - KA3TGY for earning a WAS Award; and welcome to new member Howard W. Reynolds - WA3EOQ.

Bob - KD3IO

# Sterling Park Amateur Radio Club

**Meetings:** Third Monday of the month except December, July and August  
At Sterling Community Center Annex, Church Road (Rt. 625)  
near Route 28, Sterling, Virginia

**Net:** Monday nights (except meeting nights), 8:00 p.m. on 28.320 MHz.

**Mailing:** Box 599, Sterling, VA 22170

**Information:** Jim Kenney, KJ4KW (703) 444-2632 or  
Joe D'Angelo, WB2SAI (703) 444-1252

George Foy - N4DLR, chairman of this year's Virginia State QSO Party, sponsored by SPARC, reported that activity was about the same as last year, although at least one DX log was submitted. He announced that the plaque winners were as follows:

High out-of-state station (Sponsored by SPARC):  
**Cedric Van Pelt - N0FFZ, Aledo, Illinois**  
High Virginia Mobile Station (Sponsored by EEB):  
**Kyle Chavis - WA4PGM/M, Farmville, VA**  
High Virginia CW Station (Sponsored by NJ4F):  
**Ben Givaudan - N4BG, Roanoke, VA**  
High Virginia Single Operator (Sponsored by K3RZR and AA4GL):  
**Jim Navary - AA4JW, Colonial Heights, Va**

Winners were announced at the Manassas Hamfest. Certificates will be mailed to high state and county stations.

If planning is any measure of success, then this year's Field Day should be the best one in recent years. Our effort, led by Bill Rowlett - KC4ATU, with major support by Joe D'Angelo - WB2SAI and Floyd Martin - W4RW, has already resulted in commitments of equipment, antennas, and supplies to man one CW station, one SSB station, and a Novice/Technician station. In addition, demonstration stations for packet, satellite, and ATV are planned.

The site will be the same as in recent years - Park View High School. It's a bit off the beaten path, but it's hard to find a substitute for those 80 foot light poles! With increased publicity plans this year, we expect a lot more visitors should find their way to our location.

George - N4DLR is moving to Atlanta, so our 224.72 repeater, which has been experiencing feedback problems at his QTH, was moved to the Nevin's (WA4NTP, N4GVM), where it is still having problems. Oh, well, one of these days we may have a repeater up and running.


The Novice training class conducted by Chris - WA1ZXX and Forrest - N4UTY came to a successful conclusion with about a half dozen successful graduates now awaiting call signs. Congratulations!

With only one more business meeting scheduled before our summer break, we will now be concentrating on establishing a new slate of officers for the next year, and discussing our club's position on the new licensing proposal.

Dick - W4LMJ

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# Arlington Amateur Radio Club

**Meetings:** Third Tuesday of each month, 7:30 p.m., at the American Red Cross, Arlington Chapter, 4333 Arlington Blvd. (Rte. 50).  
**Net:** Tuesdays (except meeting nights) 7:30 p.m., 144.87/145.47 MHz FM.  
**Info:** Craig Church, N4EFJ (703) 979-8325.

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## May Meeting

At the May 15 meeting of the Arlington Amateur Radio Club, members learned about the successful completion of the Novice classes, discussed recent club activities, and prepared for the upcoming Field Day weekend.

Fred - WD4DHW, announced that six students in the Novice class had passed both the code and theory examinations. Nine others, he continued, would most likely complete both elements of the Novice exam at the final session of the course, to be held May 16. "That's not bad for a class of eighteen students," Fred remarked. Congratulations Fred and Terry - K9ELP for a job well done.

Craig - N4EFJ, the gregarious president of the Arlington ARC, reported that fifteen hams participated in the club's exciting transmitter hunt held May 5. Craig commented, "Al - KK4XB really kept us on our toes: changing the power levels and switching antennas proved to be challenging to all participants." Another fox hunt will be held in August.

The membership then congratulated Al - KK4XB, Bart - KC4PQQ, Rob - KE4CX, and Robert - KC4ONW/AG, for the impromptu antenna party they held at the Annandale QTH of Bob - KB4ZSS. Despite torrential rain and all-around rotten weather conditions, the crew succeeded in erecting two- and ten-meter ground planes for Bob. From all accounts, the antennas work great. Nice job, guys.

The membership discussed in great detail the possibility of incorporating the club and/or purchasing liability insurance. After a lively debate (not unlike a typical Insomnia Net session), Frank - WB8OFR agreed to look into the matter and report back to the club at the June meeting.

The main focus of the meeting was preparation for the 1990 Field Day exercise of the Arlington and Alexandria ARCs. This year the call sign of the Arlington ARC station, W4WVP, will be used. The club plans to operate in area 6 of Fort Ward Park. Everyone was encouraged to operate with the club in this always festive event.

Several members volunteered to serve as Field Day band captains, responsible for setting up at least one rig and antenna for each band: For 75 meters, Rick - N4ASX will provide a TS-430, tuner, and dipole. For 40 and 15 meters, Frank - WB8OFR will provide a TS-440AT, dipoles, and other experimental antennas; he says, "You'll have to come to Fort Ward Park on Field Day to see what I have in mind!" For 20 meters, Rich - KA4GFY will provide a SB-101 and dipole. For 10 meters, Chuck - N4HCP will set up a KWM-2 and dipole. For two meters, Bill - KM4DN will set up club equipment.

Rob - KE4CX volunteered the use of his ATB-34 triband beam, which will add quite a kick to signals emanating from Fort Ward Park. Al - KK4XB, has offered the use of his van, which comes with a 50-foot mast suitable for supporting the ATB-34, as well as a generator for electric power.

The best news of all was that Gerry - N3EVT and his YF, Mary Elizabeth, will cook Sunday breakfast for the gang. Gerry is also coordinating the Saturday cooking.

After the meeting adjourned, Bill - KM4DN demonstrated his headphone radio equipment: a device that permits musicians, while performing, to monitor their music as heard from a distance.

(Continued on page 46)

# Shenandoah Valley Amateur Radio Club

Meetings: First and third Fridays of each month at the SVARC clubhouse on Grace Street in Winchester, VA.  
Repeater: 146.22 in 146.82 out  
Net: Shenandoah Valley Emergency Net, 7:15 p.m. daily  
Mailing Address: P.O. Box 139, Winchester, VA 22601  
Information: Mike Collins - W4ACC (703) 869-2191

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We have a new member in SVARC: Dave Barr - KB4MUJ. Dave is net manager of our local two meter net.

A special thanks to Charlie - K4LWG for his work and efforts in the upgrading of our club property.

We thank Mike - W4ACC for the plaque that was presented to the club at our last meeting. It was made by Mike and has the names of the thirteen Charter Members. Four of the Charter Members attended the meeting.

I have been told that the scholarship committee has met and selected two graduates to each receive a \$500 scholarship from SVARC. I do not have the names or the schools. Keep tuned for more information.

The second meeting in June, we will show a videotape of several club members who attended the Dayton Hamvention. This is your chance to see Dayton via videotape.

Walt - WA4HVV

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## Arlington Amateur Radio Club - Continued

In July, Ernie - NQ3X will discuss the fascinating subject of direction-finding. Ernie, a former professor at the University of Maryland, will offer insights into the murky world of Doppler tracking and should provide all of us with some valuable hints for fox hunting.

The ever-popular Swap and Shop Net has just moved to Tuesday evenings at 9 p.m. EDT. Please spread the word.

The Club also tentatively plans to conduct a VE exam session on September 29 at 4200 Wilson Blvd., near the Ballston Metro station. For information, contact Joe - AB4RA at 243-5734. [No exam has been scheduled for mid-July, as reported in the May issue of Auto-call.]

### Public Service

On May 20, eight members of the Arlington ARC assisted the Red Cross by providing communications at the Crystal City 10K Race. The competition - which began at 18th Street and Crystal Drive, wound its way along Army-Navy Drive to the National Orthopedic Hospital, and then snaked back to the starting point - went flawlessly. Special thanks to Craig - N4EFJ, Harry - N4CWP, Rick - N4ASX, Joel - N3FSH, Robert - KC4ONW/AG, Kevin ("RR") - N4KRR, Rich - KA4GFY, and Tom - W4LMW, for waking up early on a Sunday morning to help out at this important annual club event.

The month's most daring driving stunt was turned in by Rob - KE4CX, who single-handedly transported his partially assembled ATB-34 from Roanoke to Arlington atop his car. Good grief!

Frank - WB8OFR and Mike - NW3V



## Northern Virginia FM Assn.

Meetings: Irregular. Listen for weekly bulletin on 19/79 each Wednesday at 8:00 p.m.  
Repeater: 31/91 presently operating with reduced power from temporary location.  
19/79 bulletins each Wednesday at 8:00 p.m.

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The NVFMA Technical Assistance Group (TAG) is discussing plans to improve the four repeaters and their remotes. The 31/91 repeater is being relocated; it is temporarily operating with reduced capabilities from a temporary location. A new 440 machine is on order, and improved remotes are being built and installed.

All these projects require manpower. Call KB4NRU if you can help.

The NVFMA is going through its annual membership drive. Our May meeting featured a talk by Barbara McNaught on the Sky Warn system; how Amateurs can help the Weather Bureau track storms.

Our next meeting is in October. Listen on our weekly bulletins on the 19/79 repeater for details each Wednesday evening at 8:00 p.m.

Margarete - KB4IKU

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## Baltimore Amateur Radio Club

Meetings: 1st and 3rd Wednesdays of each month at 7:30 p.m.

Dulaney Valley High School, 255 Padonia Road, Cockeysville, MD.

Repeaters: W3FT/R on 146.670/.070 and 146.940/.340

Information: Steve Chalk - KA3DZQ (301) 235-5726

For more information, contact the BARC voice information line, HAM-FEST (426-3378) or out of the Baltimore area phone 1-800-HAMFEST. If you have any questions about public relations, call the BARC Public Affairs Chairman, Steve Chalk (See above).

Steve - KA3DZQ

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## Baltimore Radio Amateur TV Society

Meetings: Bi-monthly, Irregular

Address: P.O. Box 5915, Baltimore, MD 21208

Any reprints from this column must be approved in advance

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The BRATS continue their Public Service activities. On June 2-3, eighteen Amateurs provided emergency communications as a public service for the Bikeathon for MS, which went from Baltimore to Annapolis. On Wednesday, July 4, we will provide emergency communications for the Towson Fourth of July Parade. ATV capability will be included.

But the big story for July is the Famous BRATS Maryland Hamfest and Computer Fest to be held on Sunday, July 29th at the Maryland State Fairgrounds in Timonium. We look forward to greeting all of you there. There is no set opening hour, so get there as early as you like and join us for a fun-filled and profitable day. With well over 300 table and hundreds of tailgaters, everyone should find what he/she is looking for.

Mayer - W3GXX

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Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Estate sales for Widows Assistance handled by a FAR club will be published without cost. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 5th of the month preceding publication.

## WIDOW'S ASSISTANCE PROGRAM

Estate of V. Adm Lawson P. Ramage  
("Red") - KB3DE.

Yaesu FT 901DM All-mode Xcvr. . . \$600  
" SP901P Speaker/patch . . \$35  
" FT227RA 2-Meter Xcvr . . \$300  
Dentron Super Tuner Plus . . \$100  
Astron RS-20M power supply . . \$100  
CDE "Big Talk" Rotor & controller \$100  
Heathkit SB230 Amplifier . . \$350  
" IM-17 Voltmeter . . \$20  
" HA-202A Power Amplifier \$40  
" 2M - 10W In, 40W out - 7a  
" IM-1202 Digital Multimeter \$25  
" HN31 Cantenna . . \$20  
" SB614 Monitor Scope . . \$150  
" IO-102 Oscilloscope . . \$50  
Autek Research QF-1A Filter . \$50  
SB/CW/AM  
Conar 211 Volt/Ohm Meter . . \$20  
" 200 Appliance Tester . . \$20  
Tucson TAPR TNC2 Packet . . \$50  
Daiwa CN520 cross needle SWR/Pwr \$60  
Bencher Key . . \$35  
IRL computer interface . . \$50  
Electronic Measurements Tube Tester \$15  
Bearcat 210 Scanner . . \$25

## FAR WIDOW'S ASSISTANCE PROGRAM

c/o Bob Henkel - NA3R  
(301) 649-4494  
Silver Spring, MD 20902

WANTED: Old, Odd and Foreign Bugs.  
Smiley - WB4EDB (703) 373-0996 Call  
collect or write PO Box 5150,  
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(R-E), 32S-3, 75S-3B, 312B-4  
control, 516F-2 Power Supply,  
matching speaker, complete Collins  
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Processor and a spare set of tubes.  
Single owner, mint condition - \$1100  
Call Elmer Jones - K4EUX at (703)  
979-1669, Arlington, VA (07)

Need Antenna or tower work done?  
Call L. Chertok - W3GRF.  
(301) 297-4888

## WIDOW'S ASSISTANCE PROGRAM

Miscellaneous from Various Estates  
FOR SALE: Tektronix Model 321  
oscilloscope w/manual . . . \$50  
POLY-COMM 2 & 6 Meter Transceiver  
and microphone . . . \$40  
HY-GAIN 8' mobile 2-meter antenna \$55  
HUSTLER 2-meter mobile SF-2 Ant. \$10  
VIBROKEYER Standard (New) . . \$40  
AMIGA 300-1200 Baud Modem . . \$40  
Howard Lefkowitz - WA3VEZ  
(301) 649-3373 (H), 345-1123 (Ofc)  
Silver Spring, MD 20902

REMEMBER The Famous BRATS Hamfest  
and Computer Fest. Timonium Fair-  
grounds. Sunday, July 29, 1990. For  
information or reservations, write  
to: BRATS; P.O. Box 5915; Baltimore,  
MD 21208. See you there! (7/90)

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30S1 Linear Amplifier . . \$6.50  
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Ray Johnson - K5RJ (703) 938-8313,  
Vienna, Virginia (07)

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DRAKE R4B, T4XB, AC4, MS4 . . \$350  
HAM-M Rotator with Prosearch . \$150  
ROHN 25G complete 80' tower . \$800  
ROHN 45G base . . \$25  
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Darnstown, MD (07)

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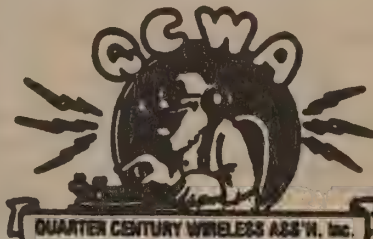
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**FOR SALE:** KANTRONICS UTU-XT  
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surplus tuber inventories,  
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purpose types. Any quantities.  
Call or write anytime. Levy - W5QJT,  
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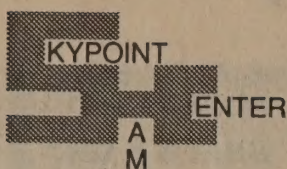
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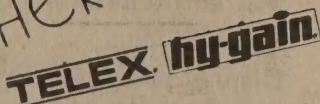
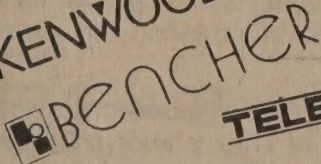
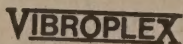
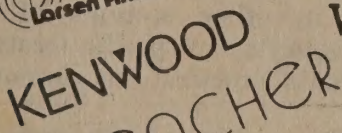
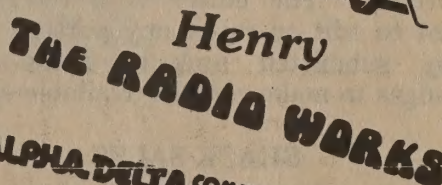
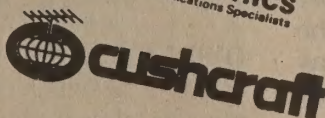
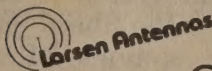
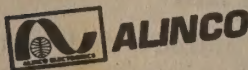
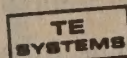
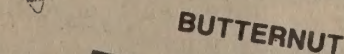
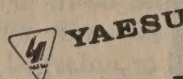
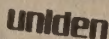
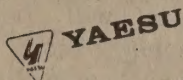
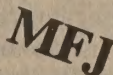
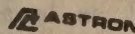
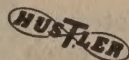
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Store hours: Tues - Thurs } 10AM - 6PM  
Fri } Noon - 9PM  
Sat } 9AM - 6PM

TNX & 73's  
N4QAS



# AUTO-CALL POLICY

## PRODUCTION POLICY

Copy for Auto-Call will be accepted in any form - handwritten, typed, compatible computer disk or modem. All hard copy is re-typed to preserve uniformity of style in the magazine. We use Word Perfect 5.1 word processing program, Hayes compatible modem (300 or 1200 baud) and can use either 3½" or 5¼" MS-DOS diskettes.

In determining space requirements, figure 80 12-pitch characters per line and 60 lines per page - including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio. (Copy space is 6¼" wide by 9" high.) Copy can be reduced or enlarged as necessary.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portion of any copy submitted and to make minor changes to make copy fit available space.

## SHACK SALES

Deadline for copy is the 5th of the month preceding the publication date. Shack Sales will **NOT** be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the call sign or the full name of the advertiser. If the full address is not included in the ad, we prefer to include the city along with a telephone number so that readers will know whether a long-distance charge is involved. The entire telephone number - including city and state - is counted as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number or group of letter/numbers is counted as one word. Remittance must accompany each ad.

See next column for additional information on advertising. For further information, phone the Auto-Call editor at (703) 536-8469, McLean, VA.

## ADVERTISING SHACK SALES

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Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

## DISPLAY ADS

DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

Display ads are charged according to size and duration of run as shown below. All advertising must be pre-paid for at least the current month.

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# JULY 1990

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<b>1</b>	<b>2</b> Adams Dept of State	<b>3</b> Antietam PG Wireless	<b>4</b> BARC MARC	<b>5</b> Anne Arundel	<b>6</b> Mobileers Shenandoah	<b>7</b> Stafford <u>EXAMS</u> DOS/GWU Richmond
<b>8</b>	<b>9</b>	<b>10</b> APL Fauquier	<b>11</b> Laurel (Inf) MADRAS Pentagon --FAR--	<b>12</b> Mt Vernon No VA	<b>13</b> Alexandria SMARC Vienna <u>EXAMS</u> Pentagon	<b>14</b> Stafford <u>EXAMS</u> Mobileers Chesapeake Anne Arundel
<b>15</b>	<b>16</b> Ole VA Ham	<b>17</b> Antietam Arlington Woodridge	<b>18</b> BARC Goddard MARC QCWA #137	<b>19</b> Anne Arundel BRATS QCWA #20	<b>20</b> RCARA Shenandoah <u>EXAMS</u> Stafford	<b>21</b> Capital City Stafford Tri County
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